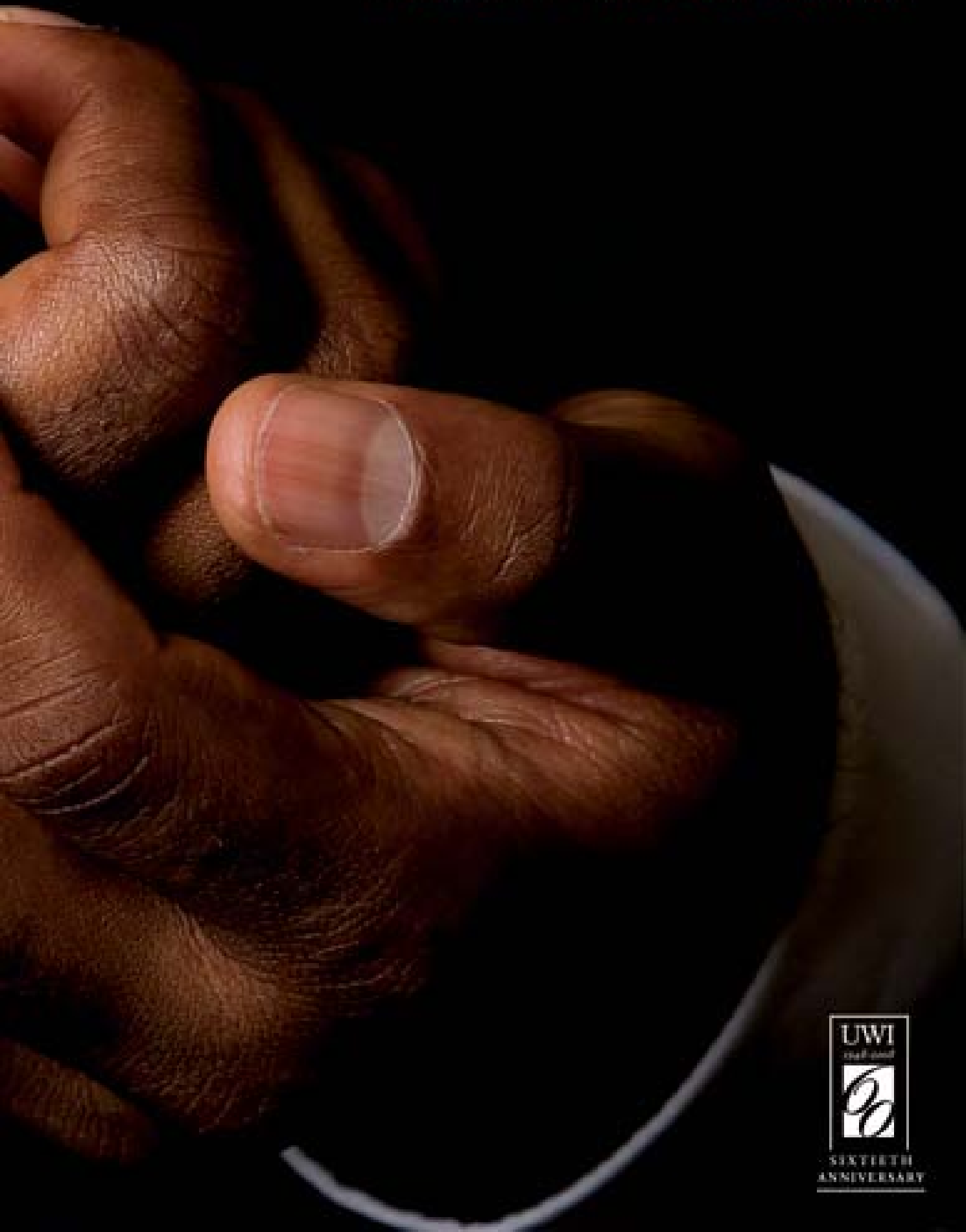


THE UNIVERSITY OF THE WEST INDIES – ST. AUGUSTINE CAMPUS

FACULTY REPORT 06/07



SIXTIETH
ANNIVERSARY

3	engineering	39	science & agriculture
15	humanities & education	49	social sciences
25	medical sciences	59	centres & units
		86	publications and conferences





FACULTY OF
engineering

One significant achievement this year was the establishment of an Outreach Office within the Faculty as part of our renewed emphasis on nurturing relationships with the public and private sectors.



Professor Brian Copeland

Dean, Faculty of Engineering

As the University engaged in its Strategic Planning exercise during the review period, the Faculty of Engineering took the opportunity to begin the process of re-engineering itself so as to significantly improve its delivery to all stakeholders.

One significant achievement this year was the establishment of an Outreach Office within the Faculty as part of our renewed emphasis on nurturing relationships with the public and private sectors. This initiative is already bearing fruit and we are particularly grateful to those members of the local and regional business communities who responded so positively by partnering with us in our first major internship programme.

The Faculty believes that we have a responsibility to our countries, our students and our societies to create every possible avenue for our students to realise their maximum potential for personal as well as professional growth. To do this requires that, in addition to the traditional regimen of engineering theory, our students be exposed to more practical modules as well as the arts, humanities and life skills. Nothing less than a total University experience.

The end result would be a system that provides for a more holistic development of the individual and produces engineering professionals who are better prepared to apply their knowledge within the real-world, social contexts of the communities they will be asked to serve, and to be more innovative and entrepreneurial than their predecessors. This will require a complete shift in the engineering education paradigm, a challenge that must be faced head on if we are to reach the next level of quality achievement.

Students

Enrolment

Overall, enrolment in the faculty increased by some 12% over the previous year to just under 2300 students. The Faculty remains firm that there should be no further increase in intake without investment in more human and physical resources, as these are absolutely necessary to maintain or improve on the academic quality which we have established.

Undergraduate

Undergraduate intake increased 19%, leading to a 12% rise in general enrolment at this level to just over 1400 students. The popularity of particular programmes was clear. Enrolment in the BSc. programme in Mechanical Engineering with a minor in Biosystems more than doubled, while the increases in Electrical & Computer Engineering and Civil with Environmental Engineering stood at 50% and 31% respectively.

Postgraduate

Total postgraduate enrolment for the year increased 11% to just over 800 students. The Faculty attracted 284 new students to pursue its taught postgraduate Diploma/Masters programmes, a 21% increase over the previous academic year.

Admission to the MPhil and PhD programmes of the Faculty continue to be low and in all, students pursuing research degrees accounted for just 7% of the entire postgraduate population in the Faculty. Enrolment in these research degrees will remain low given the very good employment opportunities for lower level degree graduates locally and regionally for Engineers, Surveyors and Petroleum Geoscientists. The problem is exacerbated by a traditional lack of regional employment opportunities that fully utilise the skills of PhD and MPhil graduates.

Graduation

In 2006-2007, the Faculty produced 392 graduates in the various disciplines offered at the undergraduate level. The Department of Mechanical & Manufacturing Engineering graduated the highest number of students, accounting for almost one third of the total.

Thirty-six students graduated from the newly accredited BTech programme offered jointly by the UWI and The University of Trinidad & Tobago (UTT). These degrees are actually awarded by the UWI through the Faculty of Engineering although the programmes are delivered at the UTT. The UWI played a pivotal role in the successful accreditation of these programmes and they reflect the Faculty's willingness to partner with other institutions in meeting the development needs of the region.

In 2006-2007, there were 87 students who graduated from our taught postgraduate programmes compared to 132 in the previous year. Last year there were 3 MPhil and 1 PhD graduates. This year, 2 students graduated with research degrees, both at the doctoral level:

Ms. Deborah-Ann Villarroel-Lamb

Ph.D. in Civil Engineering
A Numerical Model to Predict Long-term
Coastal Morphological behaviour in the Caribbean

Ms. Marian Watson

Ph.D. in Chemical Engineering
Supercritical Fluid Extraction of Ylang Ylang

Honours & Awards

At the Faculty's Annual Prize Awards Ceremony in 2006 there were 34 outstanding students on the Dean's Honour Roll. The overall winner of the 2006 EOG Resources/Faculty of Engineering Technical Essay Writing and Technical Presentation Competitions was Mr. Donald Alves while first place in the Technical Essay Presentation category went to Mr. Lendyn Philip. The topic for this year's competition was "Research Development and Innovation for Caribbean Engineering".

Staff

Honours & Awards

The following honours and awards were bestowed upon members of the Faculty:

- *A team headed by Professor Brian Copeland and including Professor Clément Imbert, and Mr. Ronald De Four, was awarded the Chaconia Medal of the Order of the Trinity (Gold) by the Government of the Republic of Trinidad & Tobago, for their collaborative work on the creation of the Genesis Steelpan (G-Pan).*
- *Professor Winston A. Mellows of the Department of Chemical Engineering was conferred with the title "Professor Emeritus".*
- *Professor Stephan J.G. Gift of the Department of Electrical and Computer Engineering received an award from the Rotary Club of Port of Spain West for his contribution to Rotary.*

Public & Professional Service

Members of staff continue to provide valuable professional and academic service to the community. Many serve as reviewers for local, regional and international journals; by providing service to professional, academic and other organisations and by serving on state and private sector boards and technical committees. Below are a few examples:

Professor Brian Copeland

Chairman, Trinidad and Tobago National Training Agency

Dr. Edwin I. Ekwue

Ag. Chairman, Engineering Institute, Faculty of Engineering.

Professor Stephan Gift

President, Rotary Club of St. Augustine West

Dr. Winston G. Lewis

Chairman, Bureau of Standards of Trinidad and Tobago Committees on Ergonomics Standards and on Office Furniture.

Dr. Everson Peters

Director (Ex-Officio) Grenada Community Development Agency

Professor Kit-Fai Pun

Vice Chairman, IEEE Trinidad and Tobago Section (Region 9), The Institute of Electrical and Electronics Engineers

Promotions

Professor Clement K. Sankat

Dean Faculty of Engineering was promoted to the post of Pro Vice Chancellor, Graduate Studies in August 2007 then Campus Principal in December, 2007.

Dr. Brian Copeland

Head, Department of Electrical and Computer Engineering was promoted to the rank of Professor. He was also appointed Dean, Faculty of Engineering for the period 1 August 2007 to 31 July 2011.

Professor Mukesh Khare

Atlantic LNG Chair in Environmental Engineering was granted tenure

Dr. Gyan Shrivastava

Head, Department of Civil & Environmental Engineering crossed the Bar in the Senior Lecturer's scale.

Appointments

The following members of staff joined the Faculty in 2006 - 2007:

Dr. Syan Chanan

Department of Mechanical & Manufacturing Engineering

Dr. Andrew Petersen

Department of Civil & Environmental Engineering

Dr. Ajay Joshi

Department of Electrical & Computer Engineering

Dr. Michael Sutherland

Department of Surveying & Land Information

The following faculty members were appointed as Deputy Deans for the 2007-2008 Academic Year:

Professor Chandrabhan Sharma

Undergraduate Student Affairs

Professor Clément Imbert

Physical Facilities & Administrative, Technical and Service Staff

Professor T.M. Lewis

Distance Education & Outreach and Research & Postgraduate Student Affairs

Retirements & Resignations

Professor Anil Sharma

Professor of Civil Engineering retired after 30 years of dedicated, sterling service. During his tenure he served in capacities such as Head of the Department of Civil Engineering; Deputy Dean, Postgraduate & Research Matters, as well as Editor of the West Indian Journal of Engineering (WIJE).

Dr. Prakash Persad

Senior Lecturer in the Department of Mechanical & Manufacturing Engineering and a former Head of Department, resigned after 26 years of service.

Dr. Michael Foley

Senior Lecturer in Chemical Engineering resigned in April 2007 after 5 years of service.

Dr. Tennyson Jagai

Lecturer in the Department of Chemical Engineering resigned after 14 years of service.

Dr. Brian Hanley

resigned from the Department of Chemical Engineering in October 2006 after just 1 year of service.

Obituary

The Faculty mourns the passing of Professor Chris V. Narayan Professor Chris Narayan, Professor of Mechanical and Manufacturing Engineering. He will be remembered for his calm disposition and his nurturing attitude towards his students.

Programmes

The Faculty offered a new BSc programme in Land Management (Valuation) in the Department of Surveying and Land Information with a modest intake of 7 students. Meanwhile, the Department of Civil and Environmental Engineering actively participated in and significantly contributed to the establishment of MSc programmes in Project Management and Construction Management at the University of Guyana. This was a major outreach initiative of the Faculty during this period.

The BTech programmes in Electrical and Mechanical Engineering offered jointly by the UWI and the University of Trinidad & Tobago (UTT) were granted accreditation at the Incorporated Engineer level by the Institution of Engineering and Technology (IET) in May 2007.

Research

Research and development activities conducted in the various Departments are as follows:

Department of Chemical Engineering

General:

Ligno-fibrous products from bagasse, Control systems analysis and design, failure prediction in heat exchangers, process optimisation, polymer recycling.

Food Production Processes:

Formulation, preparation and evaluation of a variety of condiments, e.g. Tomato Choka, pumpkin relish and pepper products.

Food Characterisation/Utilisation:

Analysis and characterisation of regional produce and food products (e.g. Topi Tambo tubers, cassava, Mozzarella cheese from buffalo and cow's milk) for food and industrial applications, Quality Evaluation of commercial bottled water,

Food Safety:

Shelf-life evaluation; detection, quantification and treatment of bacteria in foods.

Heavy Oil:

Vapour extraction via horizontal wells; downhole heating; foamy oil; heavy oil wastewater cleanup; asphaltine production problems.



FACULTY FEATURE

to smelt, or not to smelt

Change is always met by resistance. And when the Government of Trinidad & Tobago signed an Agreement in Principle with ALCOA in February 2006, committing to paper its intention to allow the construction of two aluminium smelter plants in Chatham and Cap de Ville respectively, the ensuing public outcry proved to be tough resistance for politicians to counter.

The UWI Faculty of Engineering created a scientifically-minded middle ground for stakeholders, to help “shed some light rather than heat” on the issue of aluminium smelters. On February 10, 2007 the Faculty hosted a symposium titled “Aluminium Smelting: Environmental and Engineering Perspectives” that “brought rationality to the then raging debate on the appropriateness of constructing aluminium smelter(s) in a small island,” said Dr. Gyan Shrivastava, a Senior Lecturer in Civil Engineering at the Faculty.

The symposium was open to the public and provided all the stakeholders with independent and diverse scientific information on the issue, intended to prompt critical thinking rather than political rhetoric, or tree-hugger fanaticism.

Dr. Shrivastava, who was among the symposium’s thirteen presenters, added that the Faculty had a duty to “provide expert, independent and clear perspectives to the government and the public.”

Presenters came from as far as Canada and South Africa and provided information on the possible environmental impacts of aluminium smelter plants; the potential human and ecological threat of a smelter industry and how these

can be monitored; health concerns associated with industrial development; the need for public awareness of the benefits and problems associated with smelters, as well as the need for strictly regulated and enforced environmental laws.

The participants were as varied as the presenters and included several community leaders, concerned individuals, medical practitioners, and others representing Energy Sector companies, National Security, regional organisations, the Government, schools and the people of Chatham-Cap de Ville.

Dr. Shrivastava felt that the UWI symposium offered something that similar forums could not provide.

“The UWI symposium was more rigorous academically and more focused on the scientific aspects,” he said. “We had about two hours of open forum discussions, and I would say 90 per cent of the audience said that the symposium gave very unbiased information. The general consensus was that The University had done its job to present information objectively and to inform the public.

As a follow-up to the Symposium, earlier this year the Faculty of Engineering launched a book containing the proceedings of the Symposium. The 250-page collection was co-edited by Professor Clement Sankat, Campus Principal, Professor Mukesh Khare, Dr. Shrivastava and Professor Chintanapalli Venkobachar, all of the UWI Faculty of Engineering.

Hydrates:

Feasibility of trans-Caribbean transportation of stranded natural gas using gas hydrates (GtS); natural gas from sub-sea hydrates, Desalination of sea water by freezing particularly gas hydrates, Heterogeneity effects (permeability and wettability) on reservoir flow and displacement, Environment considerations, Gas Condensate entrapment within porous media, Sanding, Sustainability issues - Natural Gas Hydrates as a for future source of gas for Trinidad and Tobago.

Petroleum Geoscience:

Foraminifera in various locations in Trinidad.

Department of Civil and Environmental Engineering

The use of biodegradable vegetable fibres for slope stability; Wind loading on a typical house in Dominica under hurricane winds; Various research activities in structural engineering, coastal engineering, foundation engineering, transportation and hydraulic engineering.

Department of Electrical and Computer Engineering

Communication Systems:

Adaptive Multi-Carrier Code Division Multiple Access Transceiver Design for Broadband Power-Line Communications; Telecommunications Innovations for Developing Countries; Wireless Communications for Poverty Alleviation; Telecommunications Policy and Regulation for Social Inclusion; Nat Traversal Techniques for the Session Initiation Protocol.

Computer Systems:

Compiler for System-on-Chip Computing; Multi-Media Signal Processing - Automated Editing of Medical Training Video via Content Analysis, Semantic Presentation and Access for Cricket.

Control Systems:

Industrial Control Studio; Robotics; Design of SCADA networks.

Electronic Systems:

Applications of Linear Integrated Circuits; Reconfigurable Embedded Computing using FPGA Technology; Hardware Multitasking Core Design for CHIPWIP; The UWI Reconfigurable Processor System.

Energy Systems:

Wind Energy, Techniques for the Analysis of Small Electric Grids; Analysis and Simulation of Power Systems; Control of Electric Motors and Drives - Sensored and Sensorless Commutation techniques for BLDCM and PMSM Operated in BLDC Mode, Modeling of Electrical Machines and Transformers; Vector Analysis.

Other:

Steelman Technology – instrument design and layout, vibration, acoustics (using Near-field Acoustic Holography) and manufacturing; Theories of Space and Time Detection of the Ether.

Department of Mechanical and Manufacturing Engineering

Agricultural Engineering:

Thermal Conductivity of Trinidadian Soils; Assessment of Electrical Conductivity of Trinidadian Soils; Test of the Eco Tech Tutor.

Industrial Engineering:

Work Study and Ergonomics; Quality Management Systems for Trinidad and Tobago; HSE Radiation Management Model for the Workplace; Strategy Formulation and Performance Measurement in Manufacturing Enterprises; Science, Technology and Innovation in the Republic of Trinidad and Tobago.

Manufacturing:

Rapid prototyping paradigms for virtual manufacturing systems, Computer-Aided Design and Drafting of Machine Elements – Using AutoCAD with AutoLisp; Modeling, Scheduling and Analysis of Flexible Manufacturing Systems and Cellular Manufacturing Systems; Virtual Learning (e-learning) to aid Distance Education in Engineering; Disaster Management.

Department of Surveying and Land Information

Geoinformatics for Managing Land Degradation in Trinidad and Tobago; Assessing the Impact of Land Cover Change on Flooding and Sustainable Watershed Management; Hazard Mapping and Vulnerability assessment in the Caribbean; Flood hazard mapping in the Caribbean; Disaster Risk Assessment; Sea level change in the Caribbean; Geodetic infrastructure in selected Caribbean island states; Sustainable Management in Small Caribbean Coastal ; Climate Change and Planning Responses; Intellectual property rights in GIS data; National Spatial Data sharing and pricing policy issues; Data quality and liability issues, Data transfer standards, Metadata Standards; National Land Information Systems Development; Crime Analysis Using Spatial Analysis Tools; GIS for Archaeological Investigation and Analysis.

International Accreditation and Quality Assurance Chemical Engineering

The Department is still facing the challenge of maintaining quality with an inordinate number of vacant posts at both academic and technical levels. This situation has been exacerbated by the number of staff who left the Department during the past year.

Civil & Environmental Engineering

The UWI Quality Assurance Unit carried out a review of the Department in March in 2007 and made a number of recommendations. As a result, the Department introduced two new courses (CVNG 1007 Introduction to Geotechnical Engineering and CVNG 1008 Building Services Engineering), and restructured its Level 2 course in Soil Mechanics. The two new courses replaced courses in Construction Techniques and Engineering Thermodynamics respectively.

Electrical & Computer Engineering

The UWI-UTT BTech programmes in Electrical and Mechanical Engineering were granted accreditation at the incorporated engineer level by the Institution of Engineering and Technology (IET) in May 2007.

West Indian Journal of Engineering

The Faculty continued to produce its flagship West Indian Journal of Engineering (WIJE) under the leadership of its Editor, Professor W.A. Mellowes. In the last academic year Vol. 29, No. 1 was published. The journal continues to publish technical papers from local, regional and extra-regional academics.

Infrastructure

Expansion and refurbishment works to Block 13 commenced in January 2006 and are now due to be completed by July 2008. However, furnishing and final organisation of Block 13 would not be completed until September 2008 of the year.

Outreach

Residency – Students from Guyana

In August 2006, the Faculty of Engineering launched 2 graduate programmes in Guyana: the Master of Science degree in Construction Management and the Master of Science degree in Project Management. Fifty-five students were enrolled in these programmes, thirty of whom visited the St. Augustine Campus for a one-week period of residency. Among the activities was an orientation seminar which included a half-day

session on “Management and Leadership”, chaired by the then Dean, Professor Clement K. Sankat. Several industry-based speakers were invited to make presentations to the students who also participated in a Technical Report Writing workshop hosted by Ms. Halcyon Lawrence. Students also went on site visits and tours of various facilities at the UWI, the Waterfront project site in Port-of-Spain, E-Teck Park in Wallerfield, and the facilities at Petrotrin and Trinidad Cement Limited (TCL).

Internship Programme of the Faculty of Engineering

At a Stakeholders’ meeting hosted by the Faculty of Engineering in May 2006 it was reported that our prospective engineers needed to gain work experience as soon as possible. In January 2007, the Faculty established an Outreach Office. The Office successfully facilitated the placement of 36 students, - 31 with local industry partners and 5 with regional and international industry partners. The following organisations in Trinidad and Tobago agreed to host our students as interns during the vacation period:

- PCS Nitrogen Limited
- Trinidad and Tobago Electricity Commission
- Schlumberger Limited
- Sylvester Engineering Limited
- Industrial Gases Limited
- Keith Scott
- United Engineering Services Limited
- Vikab Engineering Consultants Limited
- York Structures Limited
- Atlas Engineering Limited
- Lands and Surveying Services Limited
- Solid Waste Management Company Limited
- Honeywell.

Internships were also arranged with the following:

- University of Illinois–Urbana Champaign (UIUC), with the assistance of Professor Andrew Alleyne who met the Faculty of Engineering in March 2007 on this and other issues. Professor Alleyne expressed his willingness to accept two of our ‘high quality’ students for an Internship during the vacation period – Mr. Randy Harrynarinesingh and Ms. Stephanie DeCoteau were selected based on their GPA.
- PCS Nitrogen of Trinidad and Tobago requested two second year students to participate in an overseas internship programme at PotashCorp from the Departments of Chemical and Mechanical & Manufacturing Engineering respectively.
- Wigton Wind Farm Limited Jamaica, with whom arrangements are being finalised in respect of sourcing one final year Civil or Industrial Engineering student.

Symposium on Aluminium Smelting

In the midst of a raging national debate on the issue, the Faculty mounted a symposium entitled “Aluminium Smelting: Environmental and Engineering Perspectives” in February 2007. The event aimed to inform and educate participants and by extension the community at large about several aspects of the industry, including engineering and the environment. The seminar included several renowned international experts such as Professor Lin Fritshi from Western Australian Institute for Medical Research, Australia; Mr. Sean O’Beirne, Environmental Consultant, SE Solutions, South Africa as well as local and regional experts in the field. The symposium was well received by the participants and an edited version of the proceedings of this symposium is to be published in early 2008 by the Caribbean Universities Press.

The Engineering Institute

The Faculty through its Engineering Institute (EI) continues to contribute to regional development through outreach activities in research, training and consultancies. Its major activity continues to be the delivery of courses for continuing professional development (CPD).

Distinguished Visitors

Mr. Sean O’Beirne
South Africa

Professor Lin Fritschi
Western Australian Institute for Medical Research, Australia

Professor Andrew Alleyne
University of Illinois, USA

Professor Barry Clarke
*External Examiner, Civil and Environmental Engineering
University of New Castle, Upon Tyne, UK*

Dr. Dal Koshal
Accreditor/Team Leader, IET, University of Brighton, UK

Ms. Marilyn Comparetto
Accreditation Coordinator, IET, UK

Mr. Brian Bickley
IEng., FIIE - Accreditor, IET, UK

Professor R.L. Kushwaha,
*External Examiner – Mechanical Engineering,
University of Saskatchewan, Canada*

Mr. Ian Randle
Ian Randle Publishers, Kingston, Jamaica

Mr. Dominic Lamb
IBM, Ontario, Canada

Mr. Daniel Chen
IBM, Miami, USA

Ms. Jennifer Winter Palmer
UWI, Mona, Jamaica

Mr. Keith Panton
Gainesville, Florida, USA

Ms. Victoria Mendez-Charles,
Ministry of Foreign Affairs

Ms. Monica June Clement
Ministry of Foreign Affairs

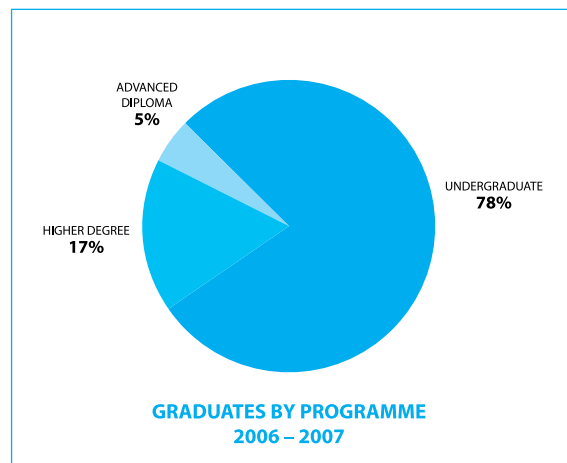
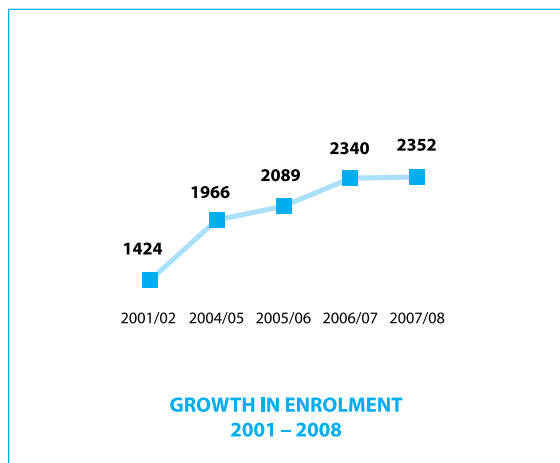
Mr. David O. Prevatt
Dept. of Civil Engineering, Clemson University USA

Mr. Harland Onsrund
University of Maine, Orono, ME, USA

Mr. Suresh Narine
Dept. of AFNS, University of Alberta, Edmonton, Canada

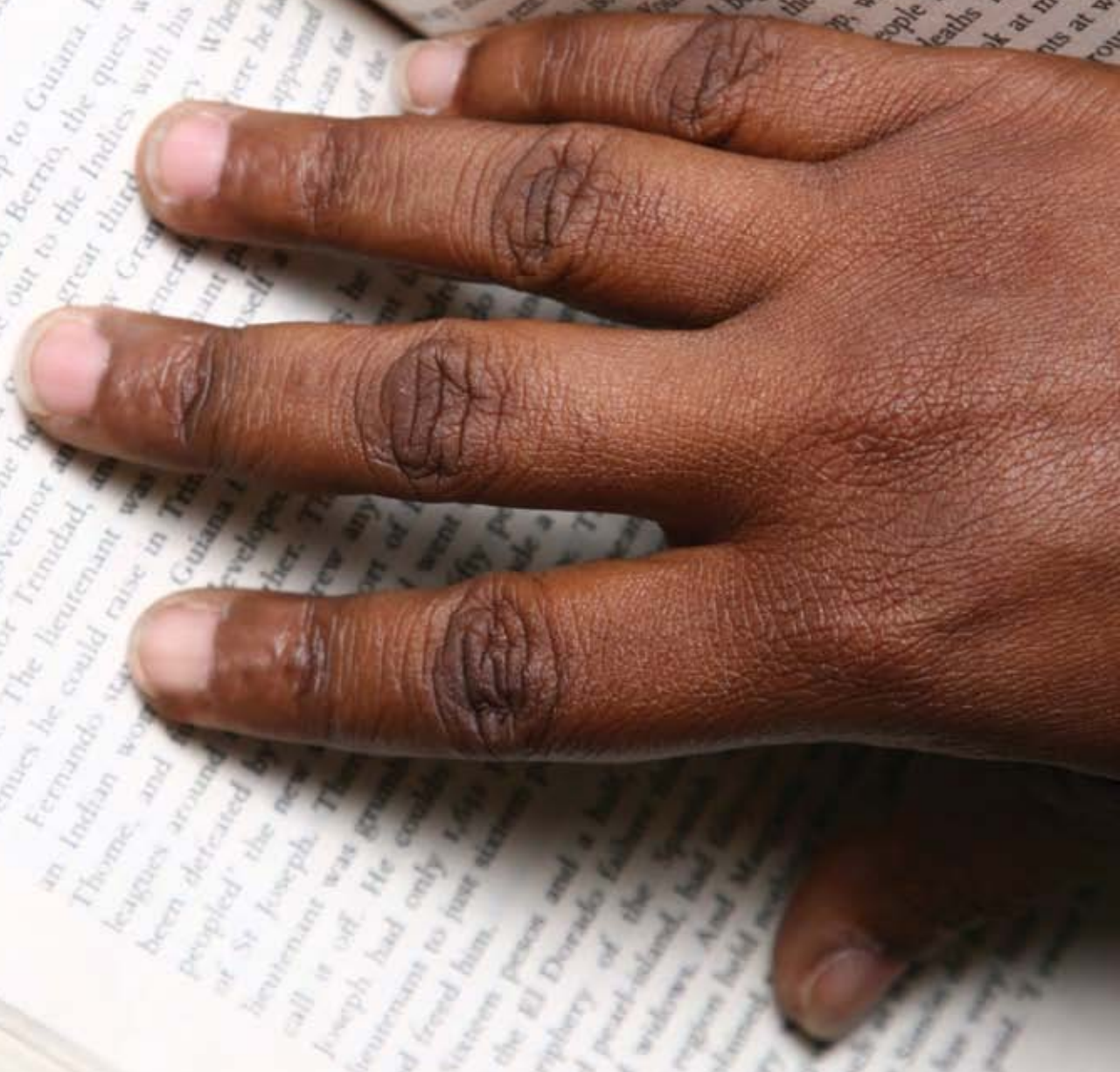
Mr. Gregory Sun
*Engineering Program, University of Massachusetts,
Boston, MA, USA*

Ms. Lurlene Van Buren
*Study Abroad/Exchange – University of Massachusetts,
Boston, MA, USA*



... to send a yearly ship to Guiana. But for the
 ... especially for Fernando Berrío, the quest was over
 ... when he came out to the Indies with his father
 ... The Third Marquisate
 ... great third
 ... when he had
 ... appointed
 ... of the
 ... to send a yearly ship to Guiana. But for the
 ... especially for Fernando Berrío, the quest was over
 ... when he came out to the Indies with his father
 ... The Third Marquisate
 ... great third
 ... when he had
 ... appointed
 ... of the
 ... to send a yearly ship to Guiana. But for the
 ... especially for Fernando Berrío, the quest was over
 ... when he came out to the Indies with his father
 ... The Third Marquisate
 ... great third
 ... when he had
 ... appointed
 ... of the

... been given a real. I have got to eat, and if it
 ... few Indians I have - free men - who grow a little
 ... patch, neither they nor I would have anything
 ... compelled to do this to provide something for my
 ... that I trust Your Majesty will consider it well done, seeing
 ... in nothing else.' - 'Now I am being asked for my
 ... pay rent? Besides, how can I pay rent if I don't
 ... Send me a decree so that I can live in this house
 ... dismissed official was yet full of alarms. 'In one
 ... Your Majesty for the favour of the governor-
 ... beg Your Majesty not to give it me,
 ... the last governor was poisoned by
 ... people there are in the habit of
 ... deaths have occurred
 ... at me with
 ... at with
 ...



FACULTY OF

humanities & education

The Faculty of
Humanities and
Education sees the
Teaching and Learning
core strategy of the
Strategic Plan of
The University as its
opportunity to provide
committed leadership to
the wider community.



Dr. Ian E. Robertson

Dean, Faculty of Humanities and Education

During the academic year 2006-2007, the Faculty of Humanities and Education continued to consolidate its positions pursuant to the objectives it set itself at the start of the academic year. The exercises in curriculum reform which commenced in 2005 continued and all this was in response to the Quality Assurance review reports that have been at the heart of curriculum reform in this Faculty.

Except in those Foundation Courses in which increases in intake in other faculties impacted on class sizes, the student intake over that of 2005-2006 showed marginal increase. The Foundation Course - Caribbean Civilisation - continued to increase its reliance on the use of the technology to support effective delivery. In the Language Foundation Courses there was a spirited attempt to address some of the weaknesses of delivery and marking that have bedevilled the programme in the recent past. In both cases the introduction of table marking improved considerably the reporting time on student performance.

The Faculty of Humanities and Education sees the Teaching and Learning core strategy of the Strategic Plan of The University as its opportunity to provide committed leadership to the wider community. It is a challenge that the Faculty intends to take up in collaboration with the other campus Faculties of Humanities and Education.

Future developments include the strengthening of cross-campus collaboration in a number of areas through the use of the electronic media and joint cross-campus field trips in Linguistics will be extended to include the University of Guyana. The School of Education will continue to prepare courses and programmes for distance and mixed mode delivery in order to facilitate the work of the Open Campus as well as to fulfil the mandate to fast-track the training of teachers in Trinidad and Tobago.

Students

Enrolment

In the previous review year an enrolment figure of just under 2500 students was reported. In 2006-2007 direct enrolment in the Faculty grew to 3100. When considering the impact on teaching however, one must take into account those Foundation Courses where higher intakes in other faculties caused indirect enrolment to increase significantly. In some cases, classes which once held a maximum of 50 students now cater to as many as 250, severely straining the system. The Faculty responded by experimenting with interactive teaching methodologies for large classes, and teaching staff made every effort to maintain interactive tutorials with computer access where appropriate.

Undergraduate enrolment increased by 20% to roughly 2400 students while there was a marginal decline of about 1% in postgraduate enrolment. Almost one third of the Faculty's postgraduate students were pursuing research degrees at either the Masters or the Doctoral level.

Graduation

At the undergraduate level, 450 students graduated with degrees in various academic disciplines offered by the Faculty. Twenty-one of these graduates received first class honours. At the postgraduate level 88 students received higher degrees.

The Faculty had its first graduates from the MFA programme, Ms. Sharon Syriac-Kaloo and Mr. Carolyn Hernanan, while research degrees were awarded to:

Ms. Natalie Khan

MPhil, Caribbean East Indians in New York

Mr. Ronald Noel

MPhil, Henry Sylvestre-Williams:
A New Inquiry into an Old Hero

Staff

Honours & Awards

Dr. John Campbell,

Vice Chancellor's award for Excellence in Teaching and the Guardian Life Premium Teaching Award for 2006

The Festival Arts Chorale

garnered 11 Cacique Nominations and 3 Awards:

Best Musical - Fiddler on the Roof;

Best Choreography - Ms. Hazel Franco and Ms. Adele Bynoe; and Best Musical Director - Mr. Jessel Muray.

Appointments

Mr. Steven Khan

Temporary Lecturer in Mathematics Education (School of Education)

Mr. Régis Kaweck

Lecturer in French (Centre for Language Learning)

Promotions

Professor Gordon Rohlehr

was conferred with the title Professor Emeritus

Dr. Jean Antoine

promoted to Senior Lecturer

Dr. Paula Morgan

promoted to Senior Lecturer

Dr. Godfrey Steele

promoted to Senior Lecturer

Professor Barbara Lalla

Interim Chair, Graduate Studies

Retirees

Dr. Jeannette Morris

Senior Lecturer, Modern Language Education, and former Head of School of Education.

Mr. Vishnudat Singh

Senior Lecturer, Liberal Arts

Professor Gordon Rohlehr

Professor of West Indian Literature



FACULTY FEATURE

learning young

Taking care of a three year old is no easy task. Now imagine caring for 80 three to five year olds all at once. This is the daily work of the staff at the UWI Family Development and Children's Research Centre (FDCRC). Thankfully, they are equipped for the challenge since the FDCRC, established since 1988, was the first institution to offer a certificate course in Early Childhood Education, which can also lead to further training in the groundbreaking Bachelor's degree in Early Childhood Education offered by UWI's School of Education.

Learning starts early. Numerous studies have shown that the environment and experiences of our early years are pivotal in shaping our lifelong aptitudes, attitudes and behaviours. It is therefore a cause for major concern that 40% of children from birth to five years were denied access to Early Childhood Care & Education in our country according to a 1999 UNICEF report. This is a problem that is being actively addressed by the Government of Trinidad & Tobago and The University of the West Indies.

Here at "The UWI Pre-school" play is serious business. The FDCRC provides a safe and nurturing environment in which children are encouraged to develop holistically, through carefully designed and individualized programmes. These involve creative expression such as dance, music, storytelling, games that teach the children conflict

resolution and communication skills, as well as learning through hands-on interaction with their environment. They even get to conduct their own research into local phenomena. And in this IT age, these toddlers also enjoy access to children's software in the Centre's computer lab.

"When we started, there were no formal tertiary Early Childhood Care and Education (ECCE) programmes in the country," reflected Dr. Carol Logie, Administrative Director. Now she is part of wider Caribbean initiatives in this area and represents the Caribbean on the Executive Board of the World Forum for ECCE, having served as an international education consultant to UNICEF and a number of Caribbean islands.

The UWI Family Development and Children's Research Centre is not only teaching young children but has trained and empowered nearly 2000 parents, day-care providers, educators and policy-makers through its workshops and courses. And as its name indicates, a vital part of the FDCRC's role is promoting research into teaching and learning at the early childhood level; developing new understandings and approaches specific to our Caribbean context. Their aim over the next two decades? Quality care and education for every child. Because you're never too young to learn!

Programmes

New

The most significant new development was the introduction of the Film Programme, the first of its kind in the Anglophone Caribbean. The programme began with an intake of 22 students and was launched with a seminar workshop run by Dr. Harvey O'Brien of the University College Dublin, Ms Sonia Fritz of the University of Puerto Rico and Mr. Franklyn St. Juste, Caribbean film-maker and critic.

At the postgraduate level two Masters Degree programmes were introduced. The Masters in Science Education aims to produce well-prepared science teachers who could assume leadership roles in the science departments of their schools or at the national level. The Masters in Health Promotion provides advanced training for educators and health promoters. Content delivery combines distance with face-to-face teaching and the programme has attracted a diverse student population from countries across the Caribbean.

Other new initiatives included work towards a Minor in Brazilian Studies, a new undergraduate Major in Speech and Language Science, an expanded programme for the MPhil in Cultural Studies, and the first offering of the Postgraduate Diploma in Conference Interpreting.

Future Development

Over the next year the Faculty, in collaboration with the Open Campus, expects to introduce an on-line Bachelor of Education with an initial focus on Language Arts. The programme will be run in conjunction with UWIDEC, St. Augustine which provided preparatory training for the entire School of Education staff in January 2007. UWIDEC is responsible for the instructional design and web management functions of the programme while the School of Education is responsible for course development and coordination.

Grants, Awards & Benefactors

The Faculty of Humanities and Education has had a number of benefactors during the course of this year, and received two large grants to support its work in Education and Languages.

- The Government of Trinidad & Tobago made a grant of TT\$6 Million to support the work being done at the Family Development and Childhood Research Centre (FDCRC). The FDCRC is one of the main arms of the School of Education's outreach thrust. It provides quality education for pre-schoolers and training for teachers and educators involved in the national Early Childhood Care and Education system. The grant came following a visit from the then Trinidad & Tobago Minister of Education, Senator the Honourable Hazel Manning, who expressed her profound pleasure at the work being done at the Centre.
- Bouygues Batiment pledged a donation of \$20,000 to our French programme for the purchase of books, software and others material for student use in the new Self-Access Facility.
- The Japanese Embassy donated books and other teaching materials to the Japanese language programme offered by the Centre for Language Learning (CLL)

Research

Graduate research programmes within the Faculty are being expanded in accordance with the availability of supervisors in the respective disciplines. This year, three major research projects within the Faculty received grants from the Government of Trinidad and Tobago:

- The School of Education - Correlates of Learning Outcomes in Trinidad and Tobago
This project is designed to investigate the relationships between student achievement and the traits of schools, the classroom, the home, teachers, and the student. The project is being done in collaboration with the University of Victoria, British Columbia, Canada. It is being funded with a grant of TT\$491,000 from the Government of Trinidad and Tobago and the UWI Research Fund.
- The Cultural Studies Initiative - Indigenous Technologies and Traditions.
The government award to this project is being deployed primarily to support significant graduate student endeavours.
- The Linguistics section of the Liberal Arts Department - Screening of Students for Language Disabilities.
The grant to this project will be used to conduct a screening exercise for speech and language among students attending as wide a range of primary schools as possible across Trinidad and Tobago.

Department of History

Research projects currently underway in this discipline include:

- Contesting the Past: Narratives of Trinidad & Tobago's History. (*B. Brereton*)
- Revolutionary Emancipationism in the Caribbean and its Impact on the Abolition Movement, 1760 to 1834 (*C. Fergus*)
- Law in Plural Societies; The Caribbean and International Trade; Globalization in theory and practice. (*K. Haraksingh*)
- A History of Forest Conservation in the British Caribbean. (*R. Pemberton*)
- The Survey and Excavation of the pre-Columbian site of Blanchisseuse in North Trinidad (*B. Reid*)
- School Curriculum and the Indian Diaspora: The Case of Trinidad (*S.A. Singh*)

Department of Liberal Arts

The Liberal Arts research agenda is rich and diverse. In line with the Strategic Plan the Department is encouraging interdisciplinary projects which meet the demands of twenty-first century development. This involves major thrusts in Cultural Studies and in Speech-Language Pathology as outlined above.

Our research on endangered languages continues with at least three significant field trips being mounted annually and a field trip is now mandatory for Linguistics Majors. The study of indigenous languages will be a major highlight of the new Caribbean Languages and Linguistics institute which is to be offered for the first time in the Summer of 2008 at Mona, and to be held biennially.

Work on the literatures, discourses and cultures of the region continues to expand while inquiry in the field of Communication Studies focuses on the relationships among culture, gender, conflict and communication; communication education; forensic linguistics; and health communication.

Members of the Department produced a number of books this year, despite the intense pressures of teaching huge classes and teaching fifteen hours a week for many.

A joint UWI Press launch was held for *Writing Rage*, by Paula Morgan and Valerie Youssef and for *Reinterpreting the Haitian Revolution and its Cultural Aftershocks*, edited by Martin Munro and Elizabeth Walcott-Hackshaw. Dr. Hackshaw also published her first book of short stories— *Four Taxis Facing North*, with Flambard Press. She visited England in May 2007 for the launch of the collection and read at two venues. Dr. Munro also published his book on Haiti, in March 2007 – *Exile and Post-1946 Haitian Literature* (Liverpool University Press).

Dr. Rahim's collection of short stories was published – *Songster and Other Stories* (Great Britain: Peepal Tree Press), and Dr. Regis' latest publication: *Black Stalin: Kaisonian* (Mona: Arawak 2007). Ms Nina Bruni's book also appeared in April 2007 – *Letras de la Era. Imagen de Trujillo en la Narrativa Dominicana Contemporanea* (Santo Domingo, Republica Dominicana: Secretaria de Estado de Cultura).

New Spanish Language Instructor Mr. Jairo Sanchez also has a new publication with the UWI Press co-edited with Dr. Ian Craig of UWI, *Cave Hill – A Translation Manual for the Caribbean English<>Spanish*.

School of Education

In addition to the major study of Correlates of Learning Outcomes in Trinidad and Tobago, other areas of interest at the School include gender and education, lower secondary science education, blogging as a teaching/learning tool, and choice of school at the primary/secondary interface.

Outreach

From symposia and literary readings to exhibitions, screenings and performances, the staff and students of the Faculty of Humanities and Education are constantly interacting with the wider community. Below are just a few of our activities in 2006 - 2007:

Celebrating Sir Vidia

As part of a 3-year celebration of Nobel Laureates on the St. Augustine Campus, 2006 was declared the year of Nobel Laureate, Sir Vidia Naipaul. The Faculty, through the Department of Liberal Arts, held a one-day conference/workshop, "Created in the West Indies" celebrating the life and work of Sir Vidia.

University staff and students were joined by members of the public from across the region in celebrating this distinguished author and son of the soil who was on hand to give readings and even sign autographs.

Freedom Road

In 2006 the History Department spearheaded the commemoration of the 200th anniversary of the abolition of the British trans-Atlantic trade in enslaved Africans to Trinidad and Tobago with an international conference and public lecture series entitled "Freedom Road". In response to calls made at the conference for a national commemoration of this significant historical milestone, organisations such as UNESCO (Trinidad & Tobago) and the media adopted the theme and mounted their own public education campaigns. "Freedom Road" took on a life of its own, winding its way from the university campus to schools and members of the public across the country.

Biennial Education Conference

The School of Education hosted the Biennial Conference of the UWI Schools of Education with the theme Reconceptualising the Agenda for Education in the Caribbean. There were participants from all three UWI Schools of Education, the University of Trinidad and Tobago, the Ministry of Education in Trinidad and Tobago, as well as Caribbean nationals based at foreign universities.

Haiti

The art, culture and cinema of Haiti were the subject of a workshop/seminar called "Haiti Now", a follow up to the conference held in 2004 to celebrate the bicentennial of Haiti's independence.

And the Award goes to ...

The Festival Arts Chorale was still receiving accolades for their third musical, the 2007 production of "Oliver!" at Queen's Hall when the news came that the previous year's production of "Fiddler on the Roof" had won three Cacique Awards for Best Direction, Best Choreography and Best Musical.

Educative Arts Festival

The Centre for Creative Arts (CCFA) hosted the inaugural Caribbean Educative Arts Festival as part of its 20th Anniversary Celebrations. Held under the patronage of Vice Chancellor Emeritus Rex Nettleford and entitled “Inward Stretch, Outward Reach”, organisers are working towards making the festival a biennial event hosted in different Caribbean territories, bringing together practising artists from Caribbean institutions to share and present work through performances, workshops, film screenings and panel discussions.

The CCFA also collaborated with the National Museum in hosting the First International Rapso Conference at the Museum ; honoured local singers and song writers David Rudder, Bomber and Kindred, at the 2006 Kaiso Dialogues Awards and Cocktail Reception; and was instrumental in bringing workshops featuring internationally renowned performance artists to communities in Laventille and Tobago.

Distinguished Visitors

Senator The Honorable Hazel Manning
Minister of Education, Trinidad and Tobago

Prof John Anderson
Victoria University, British Columbia

Prof Theodore Lewis
University of Minnesota, USA

Dr. Harvey O’Brien
University College, Dublin, Ireland

Dr. Sonia Fritz
University of Puerto Rico

Mr. Franklyn St. Juste
Film Producer

Prof. Rhonda Cobham-Sander
Amherst College

Prof. Sandra Paquet Pouchet
University of Miami

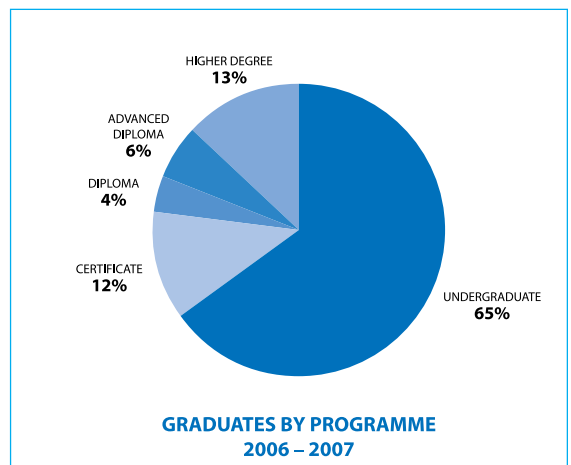
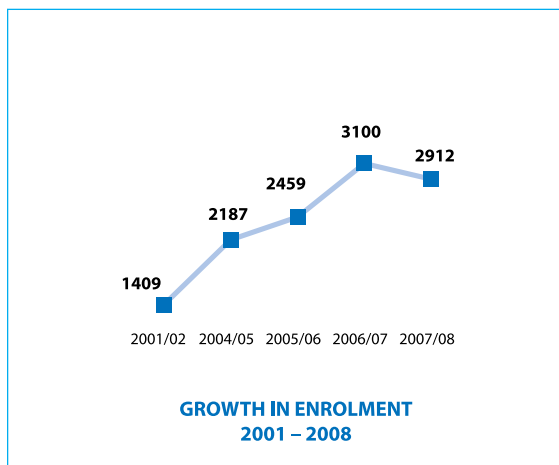
Prof. Carol Boyce-Davies
Florida International University

Prof. John Stewart
Writer in Residence

Dr. Dagmar Deuber
Freiburg University

Mr. Idris Ackamoor
Artist

Ms. Rhodessa Jones
Artist





FACULTY OF

medical sciences

The Faculty of Medical Sciences is the only self-financing Faculty in the University system. There is cautious optimism, driven by increasing national economic prosperity, that the well known financial challenges faced by the Faculty may soon be comprehensively addressed.



Professor Samuel Ramsewak
Dean, Faculty of Medical Sciences

The 2006-2007 academic year was marked by increases in student enrolment, substantive improvements in student facilities and a continuation in academic output and achievement.

Two new Directors of Schools were appointed- Professor Paluri Murti to the School of Dentistry and Professor Abiodun Adesiyun to the School of Veterinary Medicine.

The Faculty of Medical Sciences is the only self-financing Faculty in the University system. There is cautious optimism, driven by increasing national economic prosperity, that the well known financial challenges faced by the Faculty may soon be comprehensively addressed.

As the Faculty forges ahead the emphasis will be on the implementation of a new curriculum in the School of Veterinary Medicine, higher enrolment among extra-regional students, increasing consultancy services in the region to boost revenue generation, and promotional visits to raise awareness among secondary school students, particularly with regard to the School of Veterinary Medicine.

Students**Enrolment**

There were 1355 undergraduate students enrolled at the Faculty of Medical Sciences, St Augustine in 2006-2007, a 4% decline compared with the previous year. A total of 263 students enrolled in Clinical Medicine with 132 in the Fourth Year and 131 in the Fifth Year. Both clinical and classroom teaching are being conducted on a year round basis in rotating clerkships at the Eric Williams Medical Sciences Complex and other affiliated teaching hospitals.

The number of graduate students increased by 14% to 185 with the introduction this year of new programmes in Surgery, Internal Medicine, Emergency Medicine and Clinical Psychology.

The MSc in Clinical Psychology which started in January 2006 had its second and third student intakes and now boasts a complement of 53 students. In the DM postgraduate programme in Psychiatry where there are now ten students, the regulations for this programme have recently been revised so that there will now be examinations in each of the four years of the programme.

The DM (Internal Medicine) was inaugurated in July 2007 with six students with an expected graduation date of June 2011. Meanwhile, 10 students are registered for the DM Radiology, five candidates for Part I, two candidates for Part II and three accepted. The DM Paediatrics now in its fifth year, registered three students during the review period and had one successful candidate in the Part 1 DM examinations.

Graduation

Two hundred and sixty students graduated with first degrees while 16 higher degrees were awarded, including 1 MPhil and 1 Doctorate. Thirty students were awarded the BSc. Pharmacy degree. Two graduated with first class honours and 28 with second class honours. Nine special prizes were awarded to successful students by Pharmaceutical companies during the Oath Taking Ceremony.

Staff

The following changes were made to the staff of the Faculty of Medical Sciences:

Promotions

Dr. Andrew O. Adogwa

was promoted from Senior Lecturer to Professor.

Appointments

Dr. M. Saravanan

Lecturer in Pharmaceutics

Mrs. Glenda Gajradge

Teaching Assistant Nursing

In the coming year the Faculty will be targeting the recruitment of qualified additional clinical staff, particularly in Small Animal Surgery.

Resignations

Dr. Sherry-Ann Gardener

Dr. Mohamed Gulfraz

Retirement

Professor S.R. Prabhu

retired from the University after a very fruitful and significant contribution to the Dental School and dental education, especially in regard to HIV and AIDS as it relates to the Caribbean.

Honours & Awards

Professor Hubert Daisley

for service to Pathology in Trinidad and Tobago, as well as the wider Caribbean region, was recognised by the government, with the award of a national honour, the Chaconia Gold.

Professor J.E. Cooper

earned the 'Fredric L. Frye Lifetime Achievement Award (ARAV) For Outstanding Contributions to the Field of Herpetology: 2006'

Dr. Chidum Ezenwaka

was awarded the Albert Renold Fellowship, by the European Foundation for the Study of Diabetes.

Dr. Shivananda Nayak

obtained certification from the US National Registry for Certified Chemists [Clinical Chemist].

Dr. Gershwin Davis

was certified as a Medical Review Officer for workplace drug testing by the American Association of Medical Review Officers.

Programmes

One of the most significant developments to take place in 2006-2007 was the change to the curriculum for the Doctor of Veterinary Medicine. The programme now offers three entry points to prospective students:

- A 6-year programme (for students who enter through the one-year Prevetterinary)
- A 5-year programme (For A- level and CAPE holders) and
- A 4-year programme (for BSc graduates in Animal Science or related disciplines)

Other developments include:

New Courses

- The groundwork has been completed for the introduction of Aquaculture as an elective course offered by the School of Veterinary Medicine.
- Collaboration between Mrs. Stella Williams, Lecturer in Communication Skills and Dr. Paula Nunes, Lecturer in Primary Care, has led to the development of a new course, "Communication for Health Care Professionals". The first group to enrol in this course consists of Postgraduate Students in Child Health.

- Another partnership, this time between Arts-in-Action out of the UWI Centre for Creative and Festival Arts (CCFA), and the School of Medicine (Primary Care and the Skills Lab) has resulted in a new teaching initiative. The project called Teaching Alternatives for Caribbean Simulated/Standardised Patients (TACSP) will help to retrain the simulated patients currently involved in training of students at the Skills Lab.

International collaboration

- Negotiations progressed with Sheffield University for a joint Master's Degree in Nursing program to be offered at UWI's School of Advanced Nursing Education (SANE) at St. Augustine.
- The School of Dentistry entered and started a formal collaborative arrangement with Lutheran Medical Centre, USA to deliver the first year of residency training via Real Time Video conferencing.
- Another collaborative venture involves the Faculty of Dental Surgery of the Royal College of Surgeons of Edinburgh. The School of Dentistry was accredited as an examination centre for the Royal College and has been conducting the Membership Examination (MFDSRCS). Following the exam in May 2007, all four of our graduates who were candidates were admitted to the Membership.

Continuing Studies

- A joint programme with the School of Continuing Studies to train dental auxiliary technicians was graduated its first cohort in July 2006. The follow-on programme to train dental hygienists has been approved and is expected to begin in 2007-2008.

- At the request of the National Oncology Programme, and in conjunction with the School of Continuing studies, Dr Wayne Mohammed and Dr A.V.C. Rao (lecturers in Anatomic Pathology) organised the first Certificate Course in Gynaecological Cytology. This course, the first of its kind in Trinidad and Tobago, trained eight candidates, all of whom successfully completed the program then went on to serve an internship period of six months at various Public Health Institutions in Trinidad.
- The Faculty provided assistance to the College of Science Technology and Applied Arts of Trinidad and Tobago (COSTAATT) in the teaching of Radiological Anatomy to their students.

Facilities

A much welcomed addition to student facilities at the Medical Complex is the completion of the food court with two full menu restaurants and a full service coffee shop.

At the School of Veterinary Medicine (SVM) a new air-conditioned locker room with washing machine and dryer, shower and toilets facility was installed for students. This is a very welcome facility for students who spend long hours in the Veterinary Hospital and out on field work at farms.

A new Clinic conference room was also completed at the Veterinary School and construction started on an extension building with two classrooms, a laboratory and three offices.

Research

The Faculty continued to conduct research in a number of areas, including but not limited to the following:

- Psychiatry
- HIV/AIDS: Patterns of Streptococcal resistance in children at a tertiary institution; Highly Active Anti-Retroviral Therapy (HAART) in Trinidadian children - a 3 year experience
- HIV and Substance Abuse intervention
- Substance Abuse prevalence in the adult population and death associated with substance abuse in Trinidad and Tobago
- Adult Medicine, Alzheimer's Disease, Dementia and Depression
- Radiology: CT and MRI imaging; Ultrasound imaging; Radionuclide Imaging
- Obstetrics: Maternal Lipid Metabolism and foetal outcome; Maternal KABP survey
- Child Health
- Thyroid Disorders
- Metabolic Syndrome
- Gastrointestinal Bleeding
- Studies aimed at development of a cost-effective procedure for evaluation of non-superimposed bone health status through digital analysis of radiographs.
- Application of digitally-aided fluorescence microscopy in diagnosis and prognostic assessment of malaria cases.
- Development and refinement of minimally-invasive health-monitoring techniques, with emphasis on standardisation of sampling; use of portable equipment; promoting minimally invasive procedures.

In the field of Veterinary Medicine research includes but is not limited to the following:

- Epidemiology and pathogenesis of diseases transmissible between domestic and free-living birds and humans;
- Evaluation of cytology as a rapid and inexpensive tool in the diagnosis and study of animal diseases;
- Investigation of the role of micro and macro parasites in the morbidity, mortality and population decline of amphibians;
- Investigation and development of improved, especially natural (spontaneous), animal model systems for the study of human disease;
- The sustainable use of wild animals, both vertebrate and invertebrate, as sources of food and income in developing countries;
- Development of field laboratory techniques for the in situ diagnosis of tropical diseases of domestic and wild animals.
- The possible role and use of New World vultures (“corbeaux”) as environmental sentinels.
- Investigation of neonatal death in young sea turtles, with particular reference to developmental abnormalities.
- Use of the giant (marine) toad (*Bufo marinus*) as a model for health studies on Caribbean amphibian species.
- The development of a novel probiotic for *Tilapia* aimed at preventing diseases and deaths in fish.
- Forensic veterinary medicine, including the development of improved techniques and the establishment of national, regional and international databases; The role of forensic veterinary medicine in the investigation of wildlife crime.

Collaborative research continued in 2007, mainly in the area of veterinary serology and haematology/serum chemistry. This resulted in the production of the following papers:

- ‘A Serological Study of *Babesia caballi* and *Theileria equi* in Thoroughbreds in Trinidad.’
- ‘An Investigation into Haematological and Serum Chemistry Parameters in Apparently Healthy Pigs.’

Funding

The Faculty received funding for research from a variety of sources including:

Trinidad and Tobago Government Research Grant Fund

- Professor Dan Ramdath for the “Establishment of a cell culture facility to investigate common non-communicable and communicable diseases.” TT\$617,445
- Professor Amanda McRae & Dr. Suresh Rao for work on the “Prevalence and Risk Factors for Dementia in Trinidad & Tobago.” (Co- investigators) TT\$275, 000
- Professor Amanda McRae for “The Brain and Excess Calories is there a Reason for Concern?” (Principal Investigator) TT\$260,000
- Dr. Christine Carrington for “Epidemiological and molecular characterisation of emerging and re-emerging mosquito-borne viruses of public health importance in Trinidad & Tobago.” (Principal Investigator) TT\$558,200
- Dr. Shivananda Nayak for the “Role of Serum Inflammatory Markers in Community acquired Pneumonia.” (Principal Investigator) TT\$190,000

- The School of Advanced Nursing Education received a Government Grant to conduct research on “Traumatic Symptomologies in Children in Communities with a High Prevalence of Violence compared to Children from Low-incidence Communities”
TT\$50,000
- Six teams from the Faculty won competitive financial awards from the Government of Trinidad and Tobago Research Development Fund. The TT\$5M [US\$0.8m] national fund has been set up to further research compatible with national development goals. The recipients were:
 - Professors Pinto-Perreria and Teelucksingh, Drs. Nayak and Seemungal investigating the Metabolic Syndrome in Trinidad using High Sensitivity C-Reactive Protein and Steroid Sensitivity as Markers to Study the Metabolic Syndrome and its association with obstructive lung disease.
 - Dr. Yuri Clement investigating the traditionally used West Indian Medicinal Plants to treat Hypertension in Animal Models.
 - Dr. Odekunle’s project entitled:- Preganglionic Parasympathetic Innervation of the Gastrointestinal Tract and its Associated Glands in the Agouti.
 - Professor Adesiyun’s project entitled:- Leptospirosis in Trinidad and Tobago: Epidemiology and Development of an effective Vaccine for use in Dogs.
- Dr. Baboolal’s project:- Prevalence and Risk Factors for Dementia In Trinidad and Tobago
- Dr. Price’s project:- Traumatic Symptomologies in Children from Low Incidence Communities.
- Prof. Z. Ali, Dr. G. Davis and Dr. V. Simmons’ project – To determine the prevalence of perinatal exposure to illicit drugs and endocrine disrupting chemicals in neonates delivered at two hospitals in Trinidad.

Association of Universities and Colleges of Canada

- “Healthy Children- Strengthening the Promotion of Healthy Lifestyles behaviours and Reducing Obesity among School-Aged Children in Trinidad and Tobago.”
TT\$40,000

The UWI, Campus Research

& Publication Fund Committee

- Dr. Suresh Rao for “Dermatoglyphics in patients with bronchial asthma, pulmonary tuberculosis, schizophrenia, dementia and psychiatric disorders.” (Principal Investigator) TT\$45,000
- The Effect of High Carbohydrate Diet or High Fat Diet on the Rat Nigrostriatum.”
TT\$10,000
- “Microglial Multifunctional Cells in Aging and Neurodegenerative Disorders.”
TT\$10,000

A.A. Laquis Research Grant

- Dr. Trevor Alleyne for “The Effects Local Beverages has on Hypertension.” (Principal Investigator) US\$6,500



FACULTY FEATURE

a slippery serial killer

Take one part super-sleuth, add two parts scientist, throw in a slippery serial killer and a long line of unsuspecting victims and you've either got the recipe for a great crime drama or you're describing the work being carried out at the UWI Faculty of Medical Science to track the deadly Dengue virus and someday, stop it in its tracks

Dr. Christine Carrington is an expert in Molecular Virology. She studies viruses at the molecular level, their genetic make up, how they evolve and how they interact with their hosts. Over the last 10 years she and her team have been examining samples of the Dengue virus, looking at the virus' genes, to reconstruct its past in an effort to make predictions about its future.

"By examining the genes of viruses isolated at different times, we can reconstruct a family tree for the viruses," she explained.

"That tree holds a lot of information. In addition to showing how closely related different viruses in the tree are, from its shape we can work out how it evolved, the factors that drive this evolution and even patterns of migration - how it is spread from one place to the next."

"If we can understand the factors that caused changes in the past, we will be able to better predict how a virus might behave in the future and that has important implications for monitoring, surveillance and control."

Many of today's emerging viruses such as Dengue, SARS, and HIV started off as animal viruses and have adapted to humans. Others like Avian flu and West Nile virus are still really animal viruses but they can infect and cause disease in humans.

"The Dengue virus' ancestors were transmitted between monkeys by mosquitoes, then, about 1000 years ago as human populations expanded and began to encroach on the forests, we became part of the cycle. Dengue virus is now completely adapted to humans and its modern day vector, *Aedes aegypti* is an urban dweller," says Dr. Carrington.

There were more than 1600 reported cases of Dengue in the English-Speaking Caribbean in 2007. In the wider Caribbean and Latin American region, it was predicted that the number of cases in 2007 would top 1 million

The work being done at the UWI on emerging and re-emerging mosquito-borne viruses is an important part of a world-wide network of research. While Dr. Carrington has managed to get funding from a variety of sources, the research can be an expensive enterprise and there are limits on the type of work that can be done.

But there are no limits on the hope or the passion.

"We have started with Dengue, we're working on other mosquito-borne viruses and we've recently finished some work on HIV but there are so many other viruses out there that could pose a threat to public health in our region. With climate change, human population growth and the increased exploitation of the environment, we have all the ingredients for new viruses to enter human populations."

Looks like this case is still wide open.

University of Washington, Seattle

- The School of Medicine received a US\$ 75,000 grant to develop and launch a Trinidad and Tobago a Training Centre to upgrade the skills of health care providers in treatment and care of people with HIV/AIDS.

Helen Bhagwansingh Diabetes Education Research and Prevention Institute

- The Department of Clinical Medical Sciences was instrumental in finalizing the funding of the Helen Bhagwansingh Diabetes Education Research and Prevention Institute which has current funding to the tune of TT\$5 Million.

Atlantic LNG

- The UWI Telehealth Programme received an award of US\$40,000 for its Children’s Fund.

USAID

- Creation of a Trinidad and Tobago Training Centre for HIV/AIDS. Value of grant: TT\$25,000

Other

- National Baseline Survey on KABP concerning HIV/AIDS individuals 15-49 year old resident in Trinidad and Tobago. Value of grant: US\$150,000
- Training Assessment Strategy for Health Care Providers. Value of grant: US\$50,000 (I-TECH/HRSA)
- The School of Medicine together with a consultant from the University of Washington, Seattle conducted a needs assessment for HIV/AIDS training. A grant of US\$50,000 funded this study.

- Dr. Shivananda Nayak Collaborative study with the Manipal University on “Anti-Diabetic and Wound Healing Activity of Certain Medicine and Plants.” (Principal investigator) Rs 50,000
- Dr. Adrian Hailey, Department of Life Sciences) US\$1,500 for health studies on amphibians.

Approximately US\$10,000 has been granted for research on two endangered species - the Pawi, a bird found only in Trinidad and the leatherback turtle. A grant application to the IDB for the funding of a Chronic Disease Project under the Regional Public Good Agenda has been successful and is in the first stages of preparation.

Outreach

Conferences, workshops, clinics – the students and staff of the Faculty of Medical Sciences maintained a long tradition of public outreach, education and service. Some of our activities in 2006-2007 were:

Adult Medicine

- The Adult Medicine Unit hosted its second annual Dermatology lecture to all Clinical students in October of 2006. Visiting Lecturer and Consultant Dermatologist, Dr. Daron Seukeran from James Cook University Hospital in the United Kingdom delivered this lecture. Dr. David Coomansingh Lecturer in Adult Medicine provided guidance to Fourth Year students in holding our third annual Symposium in March 2007. This year's theme was Cancer.

Nursing

- The School of Advanced Nursing Education hosted its second Research Day where the two-year BSc Nursing students (five groups) presented their research projects to an appreciative audience which included health care workers, organisations and agencies such as the Nursing Council, the Trinidad and Tobago Registered Nurses Association (TTRNA) and the Trinidad and Tobago Association of Midwives (TTAM).
- Dr. Joyce Thompson, Lacey Professor of Community Health Nursing, Bronson School of Nursing, Western Michigan University, Kalamazoo, presented a "Nursing Educators' Teaching Workshop"
- Prof. Courtney Lyder, a renowned Professor of Internal Medicine and Geriatrics at the University of Virginia; Director, Geriatric Nurse Practitioner Programme and Chairman, Department of Acute and

Specialty Care presented two workshops. The first was held in Trinidad on "Hospital Patient Safety: Building Safer Systems". The other was held in Tobago and was entitled "Health Disparities and Individual Efficacy".

- Dr. Valentina Brashers, Professor of Nursing and Attending Physician in Internal Medicine at the University of Virginia, School of Nursing, Charlottesville, Virginia, an External Examiner for the School presented in April 2007 a workshop on "Cancer and Infectious Diseases".
- School of Advanced Nursing Education, University of Saskatchewan and the Ministry of Education hosted a National Symposium on "Promoting Healthy Schools: Ensuring the Future".
- Together with several MBBS students, six 2006 graduates of UWI's School of Advanced Nursing Education (SANE) at St. Augustine participated in the Caribbean Health Research Council (CHRC) 52nd Annual Scientific Meeting.

Paediatrics

- The Paediatric Unit has been providing consultancy assistance to the administrators of the Children's Hospital at the Eric Williams Medical Sciences Complex (EWMSC), the Paediatric Community Clinic at Arima, and the Princess Elizabeth Centre in Port of Spain. The Unit is also involved in developing a Trinidad and Tobago Training Centre for Care Providers in the treatment of HIV/AIDS.

Pharmacology

- The Pharmacy Programme was a major participant in National Pharmacy Week. The Sangre Grande hospital team organised various events during the week of celebration.

Psychiatry

- The Psychiatry Unit continues to provide service to the psychiatric clinics across the country. The Unit has expanded its service to the North Central Regional Health Authority (NCRHA) providing a consultation liaison service to the hospital and to the staff of the NCRHA. Patient demand has increased at the two outpatient clinics and negotiations are underway for the establishment of an inpatient service.
- The Unit also provides a consultation service for the students of the university through the Health Service Unit on the St Augustine campus and to a variety of public sector organisations such as the Defence Force and the Board of Inland Revenue.

Radiology

- The staff of the Radiology Unit has provided the main support for the Government of the Republic of Trinidad and Tobago in its initiative of providing free medical imaging services to all medical institutions of the regional health authorities. This programme started in January. While the resulting clinical commitments have since overwhelmed the lecture schedule and placed constraints on research activities, it has spawned studies looking at appropriate use of new imaging modalities and interesting case reports.

Telehealth

- The UWI Telehealth Programme linked with the Hospital for Sick Children in Toronto is expanding in its services to underprivileged children in Trinidad and Tobago and Guyana, and is providing post graduate training in dentistry via video conferencing.

Veterinary Medicine

- The Veterinary School hosted two Public Lectures: “Escherichia coli, Public Health and One Medicine” delivered by Professor Calton Gyles, Professor Emeritus, University of Guelph, Ontario, Canada “Family Pets: Problems and solutions” delivered by Professor B. Hart, Professor Emeritus, University of California, Davis, USA.
- Dr. R. Seebaransingh started a biopsy/histopathology service to the veterinary clinics (SVM and external), including production of histology slides for Ross University of St. Kitts, assistance to the Veterinary Diagnostic Laboratory, Ministry of Agriculture, Lands and Marine Resources with pathology.

Revenue Generating Activities

A team led by the Dean and including the Director of the Veterinary School, Head, (Paraclinical Sciences) and Deputy Dean, (Clinical) visited Botswana in March 2006. The Government of Botswana has for the past 5 years continued to send sponsored students for training in Medicine, Veterinary Medicine and Dentistry. This relationship generates annual revenue of over \$US1.5M annually for the Faculty. The team also accredited two hospitals for internship training and the Veterinary School established potential recruitment ties with tertiary level schools of agriculture in both Botswana and Namibia.

The Psychiatry Unit provides clinical consultancies to external agencies and uses the earnings to fund some of the Unit's activities.

Distinguished Visitors

Professor Bobb Johnson
Vice Chancellor, University of Sheffield

Dr. Dave Fletcher
Registrar, University of Sheffield

Dr. Lorraine Ellis
Director of Nursing, University of Sheffield

Dr. Daron Seukeran
James Cook University

Professor Ovid Trout
Howard University, USA

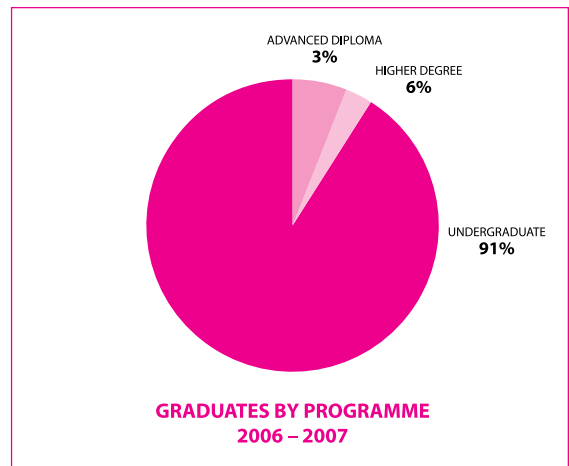
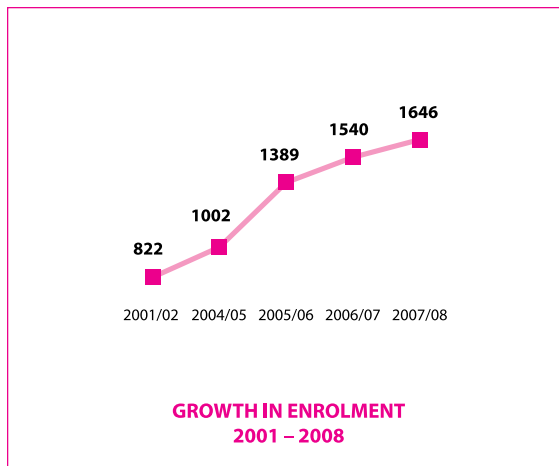
Professor Paul Abbott
University of Western Australia

Professor Carroll-Ann Trotman
University of North Carolina

Ms. Anna D'Emilio
Member, of the LMC team

Ms. Susan Dietrich
Member of the LMC team

Mr. John Veale
*Dean of Forensic Studies,
Specialist Anti-Crime Unit Academy, UK*





FACULTY OF

science & agriculture

While there were significant, positive advances in 2006-2007, there are a number of critical areas that must be addressed as a matter of urgency not only within the Faculty of Science and Agriculture, but across The University.



Professor Dyer Narinesingh

Dean, Faculty of Science and Agriculture

The Faculty of Science and Agriculture is currently the second largest Faculty at the St. Augustine campus. It continues to play, through its teaching, research, development, innovation and outreach activities, a pivotal role in providing the appropriate human resource requirements needed to transform the Caribbean region.

Also, the Faculty through its myriad of activities and working with its various stakeholders, has been focusing on finding solutions to Caribbean problems and is in the vanguard of promoting the sustainable use of our natural resources and the management of our environment.

While there were significant, positive advances in 2006-2007, there are a number of critical areas that must be addressed as a matter of urgency not only within the Faculty of Science and Agriculture, but across The University.

One of our major concerns is that the curriculum reform process needs to be accelerated and stakeholder participation should be a critical component. There should also be increased emphasis on developing the critical thinking skills of our students and higher exposure to real life experiences through field trips and projects done in collaboration with industry.

The application of technology to enhance the delivery of curriculum and a general reduction in the size of tutorial and laboratory classes are also critical issues and would require additional staff. The provision of improved laboratory and study facilities is also high on our list of matters requiring urgent attention.

The issue of accessing adequate funding for the conduct of research is a perennial problem. There must be a concerted effort to source external funding, to support the income-generating efforts of the individual Faculties and to encourage support and funding for the establishment of more postdoctoral research fellows to help drive the research initiatives.

Students

Enrolment

The Faculty has experienced a sustained increase in its undergraduate student population over the last five years. New enrolment in 2006-2007 was just under 1000 and total enrolment increased 10% over the previous year, amounting to 3339. Roughly 20% of students in the Faculty were pursuing degrees offered by the School of Agriculture, while postgraduate students accounted for 8% of total enrolment in the Faculty.

Although the total number of graduate students in the Faculty is relatively small when compared to enrolment in other faculties, it is important to note that some 60% of postgraduate students in the Faculty are pursuing Research degrees – MPhils and PhDs. This is the highest ratio of Research to Taught Higher degrees among faculties on the St. Augustine campus. The sustained increase in student intake and the surge in research activity have however, continued to place extreme stress on both the physical and human resources of the Faculty.

Graduation

There was an 11.7% increase in the number of students graduating from the Faculty when compared with the 2005-2006 academic year. Just over a quarter of the 435 first degrees awarded went to students from the School of Agriculture. Eight percent of the students graduating from the undergraduate level received first class honours. At the graduate level 17 students received MSc degrees, 4 received MPhil degrees and 3 were awarded PhD degrees.

Staff

Honours & Awards

A number of our academic staff received recognition for their contribution to science and technology. Of significance is the award of the prestigious Mercosur Prize in Science and Technology to Prof. Ramsey Saunders for his work on Solar Technologies for Water Portabilization in Isolated Rural Zones of Latin America and the Caribbean.

Promotions

Dr. S. Haque

promoted to Senior Lecturer and appointed Head of Department of Physics

Dr. Dave Chadee

Senior Lecturer

Dr. Permanand Mohan

Senior Lecturer

Appointments

Dr. H. Missan

Lecturer, Department of Physics

Mrs. Nadia Singh

Development Engineer I, Department of Chemistry

Dr. Nicole John-Thomas

Assistant Lecturer, Department of Chemistry

Dr. Robert Fowles

Assistant Lecturer, Department of Chemistry

Dr. Patrice Piggot

Assistant Lecturer, Department of Chemistry

Dr. Donna Commissiong

*Lecturer in Mathematics,
Department of Mathematics & Computer Science*

Dr. Alexander Nikov

*Senior Lecturer in Computer Science
Department of Mathematics & Computer Science*

Dr. Vrijesh.Tripathi

*Lecturer in Statistics
Department of Mathematics & Computer Science*

Food Production

Mr. C. Lallo

*Lecturer in Animal Production - granted tenure
Department of Food Production*

Agricultural Economics & Extension

Mrs. Shirley Nichome

Assistant Lecturer, Human Ecology

Dr Doolarie Singh-Knights

Lecturer, Agribusiness

Ms. R. Butland

Lecturer in Human Geography

Retirements

Dr. Blaga Iordanova

Lecturer in Computer Science

Ms. Cynthia Rennie

Lecturer, Human Ecology



FACULTY FEATURE

sipping solar water

“My Spanish is not as good as my German,” admits Professor Ramsey Saunders, Senior Lecturer in UWI Physics Department, “but it’s workable.”

Prof. Saunders, who picked up Spanish recently, while working on a highly rated OAS project on water disinfection in isolated rural zones of Latin America (Brazil, Argentina, Mexico, Peru and Chile) and the Caribbean, learned German in the seventies, as a post-doctoral fellow (1971-1973) and a Senior Scientist (1973-1978) at Freie Universitat, Germany. The Professor and Chair of Physics is also fluent with the safe water statistics.

“Approximately, two billion people do not have a supply of safe water. Over two million people die annually from diarrhea on account of fecal matter in their drinking water,” he said.

In the OAS project, Prof Saunders, a Trinidad-born graduate of the UWI St Augustine Physics Department (1968) and former Dean of the Faculty of Natural Sciences (1989-1993), worked with departmental colleagues

Ricardo Clarke (Lecturer) and Shazad Ali Shah (postgraduate student) on methods for the elimination of contaminants such as fecal matter and arsenic from natural water supplies.

The project was awarded the 2006 Mercosur Prize in Science and Technology, a prize promoted by United Nations Educational, Scientific and Cultural Organisation (UNESCO) and awarded for the development of products, methods and processes for improving the quality of life. In this case, that qualitative improvement was quantifiable.

“Traditionally, people have been able to purify one litre of water in 4.5 hours, using the Solar Disinfection or SoDis method. But we can now purify 10 litres in about 10 minutes, using a new method that combines solar energy with nanotechnology,” said Prof. Saunders, who is recognized internationally for his contributions in the fields of Medical Physics and Bioengineering, Material Science and Environmental Physics.

Programmes

As part of the Faculty's ongoing commitment to ensuring that its curricula offerings remain relevant and current in the context of our clients' future needs, a number of existing courses and programmes were revised, new ones have been introduced and still others are at various stages of development.

Among the new programmes introduced was the long awaited BSc in Information Technology. This has generated such widespread interest that there is a proposal to offer this programme through The Evening University as well. Meanwhile, the curricula for new programmes in optometry, industrial ecology, horticulture, biotechnology and forensic science are in advanced stages of preparation.

New courses in Asymptotic and Perturbation Analysis, Advanced Mathematical Modeling, Human Computer Interaction and Web Usability were also introduced this year. At the postgraduate level, substantive revision was done to the existing Masters programmes in Marketing and Agribusiness and in Agricultural Economics.

Research

Adequate funding remains one of the major obstacles to the conduct of cutting edge research. In response, the Faculty encourages the formation of research clusters and the aggressive pursuit of funding from local, regional and international sources. This strategy is starting to pay off. This year the Faculty attracted TT\$10.5M in funding from local sources – three times as much as last year, and another TT\$12.5M from international agencies – more than double last year's figure.

A large portion of the international funding received (Can. \$1.6 M) comes from the Teasdale Corti Global Health Research Partnership Programme. This is part of an international research consortium on Public and Environmental Health Interactions in Food and Water-borne Illnesses. Also of significance is the TT\$2.5M funding from the World Bank to undertake studies on the Nariva Swamp. This project involves a study on carbon sequestration in wetlands - one of the very few studies of this kind to be undertaken in the world.

Major Projects Completed

A number of projects of significance were completed during the 2006-2007 academic year. Among these were:

- Development of an open-source Learning Content Management System.
- Influence of inorganic and organic amendment on the hydraulic properties of heavy metal clay soils used in sports fields' construction.
- Potential use of food processing bio-solids as fertilizer amendments in agricultural cropping systems.
- The impact of selected cover crops on soil fertility and suppression of *Commelina diffusa* through farmer Participatory Research by Fairtrade banana growers in St.Vincent and the Grenadines.
- *Assessment of pollution impacts on rivers of Trinidad & Tobago using biological indicators*, Funded by the Environmental Management Authority, Trinidad & Tobago, and CRP, UWI, St Augustine.
- Climate Change and Dengue Project Completed culminating in the publication of a book.
- Analysis of vacuolar pH of *Anthurium spathe* tissue from various colours and genetic backgrounds.

- Matura Environmental Sensitive Area Research Project.
- Anatomical and molecular aspects of abscission in *Cajanus cajan* (pigeonpea).
- Morphometrics of the stinger in 51 species of wasps.
- Biodiesel production from waste oil- optimization and viability for atmospheric protection.
- Book on Neglected Tropical Diseases (funding from PAHO/WHO).
- Flooding and health.
- Gastrointestinal Viral infections using an evidence-based approach.
- In vitro propagation of breadfruit utilizing plant tissue culture techniques.
- Caste morphometrics in a North-American social wasp.
- Biodiversity comparison of the Northern Range and Paria Peninsula

Major Projects Initiated

As a result of increased emphasis being placed on research, development and innovation in the Faculty, a number of multidisciplinary research clusters have been formed and projects initiated including:

- Management of water grass in Fairtrade banana.
- Development of modern tree crop production and fruit utilization systems for improved breadfruit commercialization in Caribbean agro-ecosystems.
- Community Empowerment through ecotourism/agro-tourism and ethno-cuisineology.
- Supercritical Fluid Extraction of Tumeric and Basil.
- Divergent syntheses of dendrimers with paramagnetic lanthanide cores for use as MRI contrast enhancement agents.
- Assessment of cocoa bean traits for butterfat yield and quality for the identification of superior accessions for germplasm enhancement.
- Using RDS (Routing Decision System) to solve traffic-oriented performance problems.
- Initiation of a Usability Laboratory.
- Fuel cell laboratory.
- Carbon sequestration in a tropical wetland (Nariva Swamp).
- Micropropagation in breadfruit and chataigne.

Outreach

Members of the Department of Agricultural Economics & Extension participated in a 3-Day workshop conducted in Antigua and Barbuda on the theme “Developing an Agro-tourism Sector in Antigua and Barbuda”.

Mrs. Isabella Granderson provided career guidance for students of the St. Francois Girls’ College with an address on “The Requirements for Training to Become a Dietitian or Nutritionist”. She also provided nutrition advice and information for the Cancer Support Group and conducted a Nutrition Clinic for bpTT’s 2006 Health Fair at the company’s head office in Port-of-Spain and at Point Galeota, Guyaguarare.

Distinguished Visitors

Professor Anne Magurran

St. Andrews University

Professor Jens Krause

Leeds University

Dr. Philip McGowan

*Director of the World Pheasant Association (WPA)
Fordingbridge, UK*

Professor Sheau Lang

Professor of Computer Science, University of Central Florida

Dr. Chris Harrod

Max Planck Institute for Limnology

Dr. John Rasweiler IV

State University, Downstate Medical Centre

Dr. Richard Behringer

*Dept. of Molecular Genetics, University of Texas
M. D. Anderson Cancer Center*

Professor Vladilen E. Kipyatkov

St. Petersburg State University

Dr. Elena B. Lopatina

St. Petersburg State University

Dr. Stephen Harris

University of Oxford

Dr. Craig E. Martin

University of Kansas

Dr. Michael Marshal

University of Georgia

Professor James Rakocy

University of the Virgin Islands

Dr. Patrick Griffith

*Director of Montgomery Botanical Center (MBC)
Miami, Florida, USA*

Dr. Larry Noblick

Montgomery Botanical Center (MBC) Miami, Florida, USA

Dr. Christian Estadas

Depto. Manejo de Recursos Forestales, Santiago, Chile

Dr. Paul Montagna

*Harte Research Institute for Gulf of Mexico Studies,
Texas A&M University-Corpus Christi*

Professor Rameshwar Jaju

University of Swaziland, South Africa

Professor Winston Richards

Professor of Statistics, Pennsylvania State University, USA

Dr. Jane Taylor

University of Lancaster

Dr. Darren Croft

University of Wales, Bangor

Sir Harold Kroto

*Nobel Laureate, Dept. of Chemistry and Biochemistry,
Florida State University*

Dr. Robin Bedford

Reader in Chemistry, University of Bristol

Dr. Alvin Holder

Assistant Professor, The University of Southern Mississippi

Professor Suresh Narine

The University of Alberta, Edmonton, Alberta

Professor Inteaz Alli

McGill University

David Preece
Cadbury International Ltd. UK

Christian Cilas
CIRAD, Montpellier, France

Professor Reinhard Lieberei
University of Hamburg, Germany

Dr. C. Turnbull
University of Reading, UK

Robert Steinberg
Scharffen Berger Chocolate, Berkley, California, USA

René Dardel
Lindt & Sprüngli (Switzerland) Ltd.

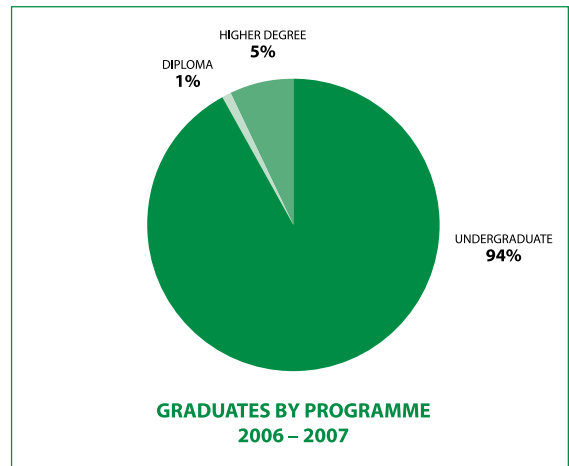
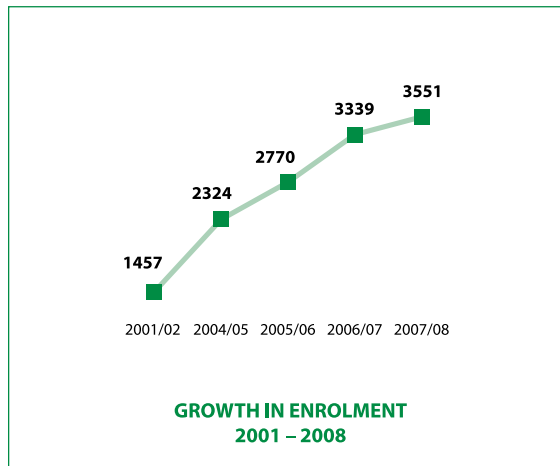
Jürgen Rausch
Rausch Schokoladen GmbH, Berlin, Germany

Professor Suresh Narine
University of Alberta, Canada

Professor Arju Gupta
Bowling Green State University, USA

Professor C. E. Davies
Massey University, New Zealand

Dr. Rose Gong-Davies
Massey University, New Zealand





FACULTY OF

social sciences

Once again the Faculty had the largest enrolment on the St. Augustine Campus with more than 5000 on-campus and off-campus students registered. Still, the rise in direct enrolment in the Faculty does not reflect fully the increasing demands placed on its resources.



Dr. Hamid Ghany

Dean, Faculty of Social Sciences

The Faculty of Social Sciences (St. Augustine) continued to make positive strides in the 2006-2007 academic year, the fifth year of the Strategic Plan 2002-2007, notwithstanding the obvious human and physical resource constraints. The Faculty continued to solve many of the emerging problems during the period of this five-year Strategic Plan (2002-2007) and so obtained even more quality performance from staff and students alike.

Once again the Faculty had the largest enrolment on the St. Augustine Campus with more than 5000 on-campus and off-campus students registered. Still, the rise in direct enrolment in the Faculty does not reflect fully the increasing demands placed on its resources. This is as a result of our servicing of hundreds of students from other faculties on the St. Augustine Campus as well as our obligations to assist other institutions across the Caribbean.

To ensure that the quality of the teaching and learning experience remains high, we have placed an emphasis on communication within the classroom, instituted online delivery of content for certain courses and smaller or even individual tutorial sessions for particularly challenging courses.

Many of these measures are made possible by the additional revenue generated by the Faculty itself. This year we intensified our push into non-traditional areas such as Faculty consulting and Executive Training programmes

Despite the challenges, we continue to expand our offerings and our reach. The Faculty led the way in supporting the Evening University initiative by adding 2 more degree options to the 6 already in existence. One more programme was added at the postgraduate level. In addition, we continued to host or participate in several public service and community outreach activities and maintained a vibrant research programme.

As before, the Faculty will be adopting a dedicated approach to delivering on the promises of the new Strategic Plan (2007–2012) and will continue our involvement in cultural and societal affairs as a means of connecting with and shaping the local and regional environment.

Students Enrolment

Full time admissions to the Faculty increased by 5% but there was a 21% decrease in part-time admissions. The overall effect was a 4% decline in new students entering the Faculty but total enrolment remains the highest on the St. Augustine Campus, climbing almost 18% over the previous year to 5556 students. This amounts to more than one third of the student population on the campus. Among individual departments, the Department of Management Studies continued to experience strong growth with direct enrolment increasing by approximately 20%. Demand for Management courses among students from other faculties and departments also increased by roughly 15%.

Postgraduate students accounted for almost one quarter of total enrolment in the Faculty. This sector is dominated by students pursuing Taught Higher degrees (79%) as opposed to Research degrees (12%).

The diversity of the Faculty increased this year as we welcomed a greater number of students from OECS member countries, particularly St. Lucia, St. Vincent and the Grenadines, and Dominica, and as a higher number of students from the Faculty participated in the University's Study Abroad programmes, pursuing courses at universities in Canada, the USA and the UK, as well as at the sister campuses at Mona and Cave Hill.

Beyond academic achievement, more of our students became involved in the mentorship programme run in conjunction with members of the business community. In addition, the Management Student Society (MSU) continues to be one of the most vibrant student organisations on the campus. This society receives partial funding from the Department and provides students with the opportunity for

participation in extra curricular activities relating to the acquisition of leadership skills.

Graduation

Nine hundred and ninety-three students graduated from the Faculty in 2006-2007. Of these, 632 received their first degrees, 10% with First Class Honours. The first graduates from the Evening University programmes were processed at the end of this academic year. The Faculty is pleased to be a part of this new approach to offering tertiary-level education to working individuals. We intend to strengthen the Evening University during the period of the new Strategic Plan for the 2007 – 2012 period.

The Faculty graduated 212 students with higher degrees, including a record 15 students from the MSc Management Studies programme. During the 2006-2007 academic year, the first graduates emerged from the MSc in Criminology and Criminal Justice programme that was launched in the 2005–2006 academic year to complement the MPhil/PhD programme in Criminology and Criminal Justice that was launched in January 2005.

Staff Recruitment

The Department of Management Studies offers some of the most popular courses on the campus but continues to face serious challenges recruiting staff. The academic staff establishment of the Department grew from 21 to 23 in 2006-2007, but 7 posts within the Department, almost one third of the total compliment, remain vacant despite efforts to recruit staff locally, regionally and internationally. Foreign applicants in particular cite the uncompetitive salaries and the heavy workloads caused by the very large classes as the primary deterrents.

Honours & Awards

- Mr. Surendra Arjoon of the Department of Management Studies was nominated for a Templeton Enterprise Award in recognition of his work in Human Economics and Culture, (Intercollegiate Studies Institute's Culture of Enterprise Initiative, New York).
- Dr. Barney Pacheco of the Department of Management Studies was awarded a British American Tobacco Co. (BAT) fellowship to attend a month-long Case Development Workshop at INCAE Business School in San Jose, Costa Rica.

Promotions

Department of Management Studies

Dr. Chandrashekhar Bhatnagar

promoted to the rank of Senior Lecturer

Department of Economics:

Dr. Roger Hosein

granted tenure status by The University of the West Indies

Mr. Dennis Pantin

promoted to Professor

Programmes

New

Two new degree options, the BSc Psychology and the BSc Sociology were introduced for students enrolled in the Evening University. This brings to 8 the number of programmes offered by the Faculty through this important initiative which is making tertiary education available to hundreds of working persons.

Two new Masters programmes in Mediation Studies and Aviation Management were also introduced. The latter was designed in response to a request from the Airports Authority of Trinidad and Tobago. International links were established to provide academic and technical support for the programme.

As a result, students have the opportunity to interface with highly respected academics and practitioners in Aviation Management both online and in person. Placements with leading aviation centres in the USA and Canada are to be incorporated into the for the practicum phase of the programme.

Future Development

In another example of the Faculty's growing responsiveness to the needs of both business and the public sectors, two new cross-disciplinary programmes have been developed for the Trinidad & Tobago Defence Force. The BSc in Leadership and Management and the MSc in Strategic Management and Leadership were approved during the 2006 - 2007 academic year by the Board for Undergraduate Studies and the Board for Graduate Studies respectively. This was a major achievement for the Faculty as it was able to embark on a course of action that would develop the human resources of the Defence Force of Trinidad and Tobago in a very positive way as a means of strengthening national engagement.

Other programmes which gained approval this year were the BSc International Relations (Special), the Advanced Diploma in Tourism Management and the MSc Tourism Development and Management. A proposal for a PhD programme was developed and submitted for approval. This programme, which is based on the North American model, represents a departure from the traditional PhD programme at UWI in that it is comprised of a significant taught component as well as a substantial thesis.

Grants and Awards

The Sondai Project, a multi-pronged Social Work Response to HIV and AIDS, has been awarded a grant of TT\$260,000 to continue the work of the project for 12 months starting January 2007. This is part of the TT\$5 Million grant to the university by the Government of Trinidad & Tobago. The UWI Criminology Forum was awarded TT\$150,000 from the Government of Trinidad and Tobago fund to study the causes of crime in the country, the region and globally.

Research

One of the major developments to take place within the Faculty's Research programme was the establishment of the Constitutional Affairs and Parliamentary Studies Unit (CAPSU), which is to conduct research related to constitutional reform and legislative issues. Below is a selection of other research projects recently completed or underway in the Faculty:

Dr. Hamid Ghany

- Public Perceptions of Parliament - for the Commonwealth Parliamentary Association (C.P.A.)

Mr. Martin Franklin

- Flexible Learning and Community Development; (with Dr. R Hosein) Paper being submitted for inclusion as a Chapter in the book "Bridging the knowledge divide: Educational technology for development"; edited by Marshall, Kinuthia & Taylor; to be published in 2008
- Aging in Trinidad and Tobago (with R. McLean) Dutch Disease and West Indies Cricket (with Dr. R. Hosein)

Dr. Roger Hosein

- Intra industry trade within a small regional trading bloc including only developing economies.
- The Stolper-Samuelson Theorem, Trade Liberalization and Wage Inequality in Trinidad and Tobago
- Booming Mineral Resources and the Imperative of Economic Diversification (Sent to the Journal of West Indian Engineering).

Ms. Christine Laptiste

- The Cost of Health Services in the British Virgin Islands, December 2006.
- Technical Assistance to Support Country Resource Need Assessment, in collaboration with UNAIDS, November 2006.

Mr. Gregory McGuire

- "The Making of the Gas Economy –1991 to 2005." - a study providing provide extensive details on the developments in the T&T energy sector over the period including a careful analysis of the shifting structure of the market and the distribution of rents
- Competition in Energy Markets - The Trinidad and Tobago Experience (Case study on behalf of OLADE- the Latin American Energy Organization)

Professor Dennis Pantin

- Economics of Watershed Management in SIDS (Book Draft)
- Regional Economic in SIDS Cooperation
- Sustainable Development in a Global Context (Book Draft)
- Poverty and Environmental Linkages

Professor Karl Theodore

- HIV/AIDS milestones in the Caribbean: A reference text



FACULTY FEATURE

the seeds of change

Dr. Innette Cambridge likes to set her final-year Social Policy and Administration class one major activity-based assignment. A project that would bring them into contact with policy-makers and help them develop basic skills such as lobbying, negotiating and proposal writing. But the class of 2006-2007 set themselves a goal worth much more than the ten marks originally allocated to the assignment.

The group of 20 students decided to tackle the United Nations Millennium Goal of eradicating extreme poverty and hunger by encouraging the University community to lead by example and to grow their own food

With the enthusiastic and overwhelming support of the staff at the Field Station of the Faculty of Science and Agriculture and with buy-in from the Guild of Students, the class organised a half-day symposium on the main campus and an exhibition and petting zoo at the Field Station in Mt. Hope.

Former President of the Republic of Trinidad & Tobago, Sir Ellis Clarke, brought both star power and manpower to the event by planting a symbolic breadfruit tree with the

then Guild President, while the Field Station staff provided participants with practical advice on growing a home garden and free seedlings to get everyone started. (Here's a freebie: don't grow only salad vegetables and herbs. Throw in a starch as well for a full stomach and a balanced diet).

Finally, the class started small gardens at each of the Halls of Residence, in the hope that maybe the Halls themselves would continue the project and make it an integral part of Hall life.

Says Dr. Cambridge, "The idea is that everyone must know how to feed themselves, from President to pauper. It should become part of our lifestyle in the same way we know we must learn to read and write."

A year later, Dr. Cambridge took her new class to the Trinity Hall of Residence and showed them the garden now flourishing there under the patronage of the Guild of Students. Looking at their faces, she saw them come to the same realisation as those students who took part in the original project.

"They see what is possible and that they can make a difference." Lesson learned.

Infrastructure

Management Studies

The computer facilities in the Department were upgraded, the area for postgraduate students was enhanced and eight new staff offices were created. The Department continues however, to be severely constrained by the inadequacy of the physical space to accommodate either the increasing demand among students or the effective delivery of content.

Health Economics Unit

Detailed design and preliminary construction of the HEU building was approved and completed. Request for Tender Proposals for construction of the HEU building were sent out.

International Links

Between April and June, 2007, students from Kalamazoo College, Michigan, U.S.A. pursued courses offered by the Faculty of Social Sciences. They read for Government and Politics of the West Indies, Literature and Society in the Caribbean, and Anthropology of the Peoples of the Caribbean I. As Kalamazoo College operates on the quarter system, these courses were offered intensively and the students wrote their examinations just prior to their departure in early June.

Joint research was conducted with York University and the University of Kwa Zulu Natal. There was also collaboration with Florida State University and the University of Denver on other projects

The Faculty, represented by the Dean, Dr. Hamid Ghany, was part of a UWI delegation to the University of Alberta, Canada. Stemming from that visit, a Socio-Economic Forum has been arranged for February 2008 with colleagues from the University of Alberta at the St. Augustine Campus.

Outreach

The Faculty continues to provide support to the Sir Arthur Lewis Community College (S.A.L.C.C.) in St. Lucia and the Clarence Fitzroy Bryant College (C.F.B.C.) in St. Kitts. The Faculty has responsibility for programmes offered at both institutions and the implementation of one working visit by Faculty members, led by the Dean, have led to an improvement in course delivery.

A number of events and activities were also held this year, as the Faculty continues to explore issues affecting the people of the Caribbean including:

Cricket

- Just as the Cricket World Cup was getting underway in the West Indies, the Faculty hosted the Fourth Sonny Ramadhin Distinguished Cricket Lecture. Mr. Malcolm Speed, the Chief Executive Officer of the International Cricket Council (ICC), delivered the lecture at the event which attracted wide local, regional and international media coverage.

Parliament

- The Constitutional Affairs and Parliamentary Studies Unit (CAPSU) of the Department of Behavioural Sciences held its first ever Commonwealth Caribbean Parliamentary Workshop, attracting delegates from Canada, the United Kingdom, Ghana, Dominica and Jamaica. Participants examined both the common and divergent factors that impact upon the working of Parliaments in various parts of the Commonwealth.

Food Security

- Poverty reduction and hunger alleviation were at the heart of the symposium and exhibition organised by the undergraduate Social Planning class in the Department of Behavioural Sciences. Among the highlights was the planting of a breadfruit tree by the first President of the Republic of Trinidad & Tobago, Sir Ellis Clarke, and the current president of the Guild of Students, Ms. Natasha Grimes.

Periodic seedling days were organised throughout the second semester and the student community was encouraged to grow vegetables and ground provisions. Organisers hope the initiative will spark an interest in agriculture by social science students and spur the establishment of garden plots around the halls of residence on campus. This programme is to continue under the auspices of the Guild of Students, co-ordinated by a specialised committee.

Disabled Persons

- The Faculty hosted a one day workshop on Disability and Research where participants from across the Caribbean shared current ongoing research with members of Disabled Persons International, (North American and Caribbean sub-region). This project continues with a research project entitled “Persons with Disabilities speak about research”.

HIV / AIDS -

- The SONDAI Project, a multi-pronged Social Work Response to HIV and AIDS continued its work this year with a TT\$260,000 research grant from the government of Trinidad & Tobago. The project involves teaching, research, practice, international exchange and dissemination and embodies a multi-disciplinary, multi-agency partnership approach incorporating the disciplines of Social Work, Psychology and Health.

Other events hosted wholly or in part by the Faculty included a *One-day Seminar on Ghana's 50 years of Independence*, the *Sixth Mahatma Gandhi Memorial Lecture*, a conference on “*Governance, Institutions and Networks*”, and the *8th Biennial Conference of Caribbean and Social Work Educators*.

The Faculty also held our annual *Evening of Excellence* where we honoured all of our First Class Honours students and other top performers. The support of the private and public sectors in donating prizes was admirable and the Faculty is grateful to them.

Distinguished Visitors

Sir Ellis Clarke

former President of the Republic of Trinidad & Tobago

The Honourable Mr. Michael Peart, M.P.

Speaker of the House of Representatives of Jamaica

The Honourable Ms. Alix Boyd-Knights, M.P.

Speaker of the House of Assembly of Dominica

The Honourable Barendra Sinanan, M.P.

Speaker of the House of Representatives of Trinidad and Tobago

Senator Donald Oliver

Chairman of the Constitutional and Legal Affairs Committee of the Canadian Senate

Brigadier General Edmund Dillon

Chief of Defence Staff of the Trinidad and Tobago Defence Force

Mr. Malcolm Speed

Chief Executive Officer of the International Cricket Council

Professor Tony Martin

Wellesley College, Massachusetts, U.S.A.

Mr. Clarence Rambharat

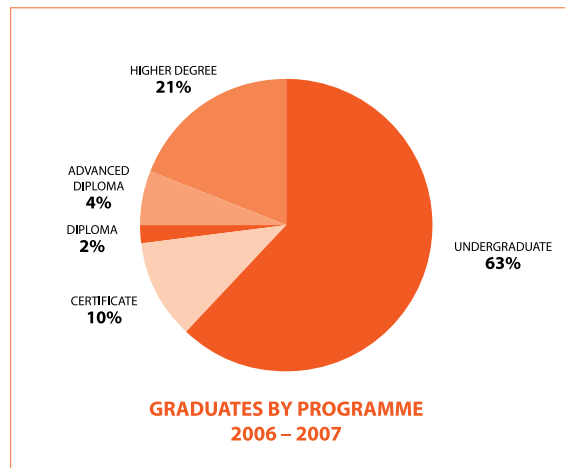
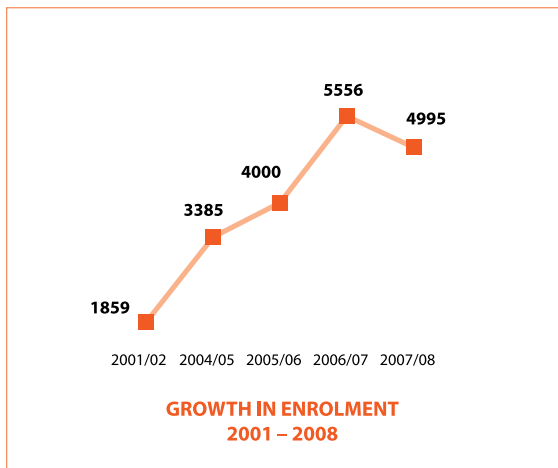
Legal Counsel to BP Trinidad

Professor Brinsley Samaroo

Retired Professor of History at the St. Augustine campus

Mr. Zaya Yeeboo

Programme Manager. Westminster Foundation for Democracy





centres & units

ANSA McAI Psychological Research Centre

In the 2006-2007 academic year, the Psychological Research Centre placed emphasis on its research agenda and international collaboration with the focus on building a sustained infrastructure to promote graduate research and foreign collaboration. During the period the Specialisation in Psychology was introduced. The Centre looks forward to the development of a Psychology Laboratory to complement the experimental psychology offering and further experimental psychology development at both the undergraduate and graduate levels.

In the previous academic year the Centre initiated and facilitated the establishment of a memorandum of understanding with State University of New York at Albany and The University of the West Indies. During the 2006-2007 academic year both graduate and undergraduate students took advantage of the MOU and spent a year at the Department of Psychology, SUNY Albany.

Future exchanges between both universities would be encouraged during the current academic year. The Centre strongly holds the view that with a globalising world research and teaching agenda must also reflect this reality. Collaboration continued with the University of Central Florida, Loyola University, Hunter College, SUNY Albany, Armstrong University, University of Nis, Serbia, University of Glasgow, University of Sheffield, and London School of Economics.

Research

The Centre maintained and further developed its research programme on the Psychology of fear with emphases on HIV/AIDS, fear of crime and media perception. Research continued in the area of jury decision making, stereotyping, stigmatisation and attitude change. Several papers have been published and an edited book in Social Psychology was published during the period and is now available for researchers and students in social psychology.

Graduate students affiliated to the Centre are currently doing research in the areas of the Psychology of Fear of Crime, HIV/Stigmatisation, Jury Decision Making.

Completed studies

- HIV/AIDS – The study assessed the level of awareness and impact of HIV/AIDS advertisements, knowledge of the disease and its transmission, perception of HIV/AIDS, the level of stigmatisation and discrimination in the population as well as the effectiveness of the advertising campaign in reaching targeted groups. A sample size of 1800 respondents was utilised in both Trinidad and Tobago. Focus groups complemented the quantitative method. The results showed overall positive attitudes to persons living with HIV/AIDS. However, this was marked by a decidedly significant lack of awareness on key issues regarding HIV/AIDS such as transmission and prevention. The need to improve the quality of Voluntary Counseling and Testing (VCT) services and confidentiality of health care providers and increase knowledge regarding access to treatment, care and support was highlighted in the study.

- Environmental Awareness – This research project assessed respondents' attitudes, cognitions and behaviour towards the environment. A number of areas were explored evaluating the level of awareness on various environmental issues including global warming, deforestation, water, air and marine/coastal pollution, endangered species and environmentally sensitive areas. Disposal and conservation behaviours and attitudes towards the environment were also measured. The survey method was used with a sample size of 1500 respondents from both Trinidad and Tobago. The results showed a lack of awareness by the population regarding key issues global warming and the ozone layer. The need to conserve water and properly dispose of hazardous waste was highlighted as well as the need for the EMA to disseminate more information as to its role and function.
- Election Surveys – During the period August – October, 2007 the Centre undertook a number of election tracking surveys for the Trinidad Guardian. These polls measured several attitudes towards the 2007 general elections.

Research in progress

- Social Norms – The Centre continued with the development of the Social Norms project which assesses the impact on the way we conceptualise, behaviour and function. The study utilises a multi-disciplinary approach with a strong social psychological theoretical foundation. The Social Norms project delves into causes and effect of the breakdown of social norms and values in the community and the resultant deviance. This year the project moves from its theoretical stage to the implementation phase.

The project will provide meaningful academic insight and impact into the way we conceptualise behaviour and function as well as provide meaningful information for policy making. The study utilises both quantitative and qualitative methods and will be undertaken in Trinidad and Tobago

- Problem Gambling – This project will be undertaken from March 2008 and will utilise a host of research methods (survey, in-depth interviews, focus groups and participant observation) to study this serious social problem (and perception of) of problem gambling in Trinidad and Tobago. The study utilises a sample size of 1600 respondents.

Ongoing Projects

- Psychology of Fear of Crime- : This is an ongoing multi-disciplinary research programme. The London School of Economics has joined this project and Dr. Jon Jackson will be visiting the ANSA McAL Psychological Research Centre during the 2007-2008 academic year to build on this collaborative research. Professor Linda Heath, Loyola University, Chicago also visited the Centre during the period. Professor Heath constitutes part of the collaborative team headed by Dr. Derek Chadee. Among the other universities collaborating with the Centre are Hunter College (CUNY), University of Sheffield, University of Nis, Serbia, University of Glasgow, SUNY Albany, University of Central Florida A longitudinal study is being conducted in Trinidad.
- Cross-cultural Study on Fear of Crime: The purpose of the study is to evaluate the impact of social psychological factors of the fear of crime in both low and high crime communities.

- Research Programme on Psychology of Media Perception: A content analysis of newspaper articles is currently being undertaken. A main objective of this study is to assess whether there is a stereotypical presentation of such factors as ethnic groups, youth, crime, geographical areas. A survey and experimental study on the impact of the media on perceptions will follow.
- Expansion of Study on Fear and Selective Attention: The first phase has been completed. This study addresses an under-researched cross-cultural topic: the shaping of public's perceptions by the media. A cross-cultural perspective is especially important in this area, because, consistent with growing interest in the field of Evolutionary Psychology, it is suggested that the emotional state of "fear" serves an evolutionarily-developed function in automatically cueing people to focus attention on potentially life-threatening stimuli. These studies will explore the implications of this process when a potentially chronic threat, in the form of fear of crime and other local perceived risks, are involved. Two studies, each to be conducted jointly at Hunter College in New York City and at The University of the West Indies, will explore the role of fear as a core component of perceived issue importance.
- This cross-cultural study examines the reactions of both adults and children to folk tales, those urban and cultural stories that are often told by friends and parents to convey prescribed morals and societal expectations. Most significantly about this research, unlike the news media studies, this one enables an examination of young children to determine if the "fear implies importance" connection exists at an early age.
- Social Psychology of Jury Decision Making: Further developments of initial jury research are being undertaken. Transcripts and other materials from the voir dire jury selection in the controversial Nankissoon Boodram (Dole Chadee) case have been obtained from the Director of Public Prosecution Office. In this court case, the voir dire system of jury selection was used for the first time in Trinidad and Tobago's jury history. In this study a content analysis of these transcripts will be done to assess potential juror bias. Experimental studies will follow.

Programmes

The Centre continues to assist in the support of the Psychology Unit's undergraduate and graduate programmes. The Specialisation in Psychology, which the Centre assisted in proposing, was introduced in 2006-2007 academic year. The Specialisation allows Psychology Majors the opportunity to do more theoretical courses within the discipline.

Workshops organised by the ANSA McAL Psychological Research Centre

- SPSS Training Seminar, Faculty of Social Sciences Computer Laboratory, The University of the West Indies, St. Augustine, Trinidad, February 2007.
- Lecture on Evaluative Research conducted by Professor Linda Heath, Social Psychologist, Loyola University, February 2007.
- Statistics and Research Methods Workshop conducted by Professor Alistair McClelland, University College London, March 2007.
- Lecture on Parental Social Developmental Practices in the Caribbean Homes conducted by Professor Roopnarine Jaipaul, April 2007.

Students

The Centre has assisted over the years in obtaining prizes from businesses to encourage our Psychology students in the pursuit of excellence. In the academic year 2006-2007 Ms. Rianna Seesochan won the Trinidad Guardian Prize for the Best Psychology student. Twenty students shared the Tatil Prizes for the top 3 Research Projects in Psychology .

Linkages

In 2006-2007, the ANSA McAL Psychological Research Centre facilitated the establishment of a formal exchange (via a Memorandum of Understanding signed by the Vice-Chancellor of UWI) between The University of the West Indies and the State University of New York at Albany. This allowed graduate and undergraduate students from the Centre to spend an academic year at SUNY Albany in the Department of Psychology. The students positively reported their experiences and academic development of the overall experience. The Psychology Unit encourages these exchanges to ensure that students receive a diverse teaching/research experience in a globalising academic environment.

Revenue Generating Activities

The following are a list of the Centre's revenue generating activities:

- Trinidad Guardian Polls, August 2006 to July 2007
- Digicel Telecommunications Attitude Survey, December 2006
- Trinidad Guardian Newspaper Survey in Trinidad, August 2006 - July 2007
- Norms Project, Ministry of Social Development (on-going)
- HIV/AIDS Project, National AIDS Coordinating Committee, 2006
- Environmental Attitude Survey, Environmental Management Authority, 2007

Distinguished Visitors

Professor Linda Heath

Professor of Psychology, Loyola University, Chicago

Professor Jason Ditton

Professor of Criminology & Director, The Scottish Centre for Criminology, Glasgow, Scotland

Professor Jaipaul Roopnarine

University of Syracuse, United States of America

Dr. Alastair McClelland

Senior Lecture, University College London

Arthur Lok Jack Graduate School of Business (GSB)

As the Arthur Lok Jack Graduate School of Business pursues its vision of becoming the leading business school in the Caribbean by 2012, the pursuit of an international reputation becomes more critical, hence the concentration on building international alliances. Through a high demonstration of entrepreneurship, local effectiveness and increasing international reach the school has adopted an aggressive stance to combat the competition that is increasingly international in origin. Local success has to be forcefully extended to leverage the Arthur Lok Jack Graduate School of Business into the next phase of its operation.

Students

In August 2006 admission interviews were introduced to improve the process of recruiting candidates with strong leadership potential and organisation awareness. This brings the Arthur Lok Jack Graduate School of Business into alignment with international best practice. Interview panels were constituted of a member of faculty, a representative of the Arthur Lok Jack Graduate School of Business and a member of the Alumni of the Business School.

Research

The Lok Jack GSB continues to produce leading research that is responsive to the needs of the business community and serve as important national indicators, benchmarking Trinidad & Tobago against the rest of the world.

- Our Quarterly Corporate Confidence Index provides the most up to date information on the business outlook for Trinidad & Tobago and the global economy. The CCI surveys the country's leaders on their past and expected performance along financial, economic, employment, local and international dimensions. It is disseminated to over 500 CEOs and Senior Executives.
- The Business School once again collaborated with Canada's Fraser Institute for the production of the 2007-2008 Economic Freedom of the World Report. The index measures the degree to which policies and institutions of countries support economic freedom. Forty-two data points are used to construct a summary index and to measure the degree of economic freedom in five broad areas: (1) size of government; (2) legal structure and security of property rights; (3) access to sound money; (4) freedom to trade internationally; and (5) regulation of credit, labor and business.
- Partnership continued with Switzerland's World Economic Forum for the production of the annual Global Competitiveness Report. The GCR ranks more than 120 countries and is the most recognised authority on competitiveness in the world. The rankings are calculated from both publicly available data and the Executive Opinion Survey, a comprehensive annual survey conducted by the World Economic Forum together with its network of Partner Institutes

(leading research institutes and business organisations) in the countries covered by the Report. Over 11,000 business leaders were polled in a record 131 countries.

Outreach

The Graduate School of Business engaged in the following outreach activities in the period 2006-2007:

- The inaugural Evening Business Conference was convened on June 21st 2007 as an innovative means of presenting the new knowledge generated through student research to the wider academic community and to societal stakeholders. Authors of distinction quality Practica were invited to present their findings in either a poster or formal presentation format to open audiences including an adjudicating panel consisting of private sector representatives and university academics. Prizes were awarded for outstanding presentations. Research students from the UWI Department of Management were also invited to participate in this event which will be held on an annual basis.
 - The second annual week long exposition focused on the cultural imperatives and practical requirements for doing business in China known as “Chinese Week” was held in May 2007. Presentations of both a cultural and trade facilitation nature were delivered by the Embassy of the People’s Republic of China. Panel discussions highlighting the experience of local firms conducting business in China were also facilitated. In October/November a study tour to the People’s Republic of China was mounted for 25 students of the EMBA & IMBA programmes.
- Students visited 3 business schools and 10 enterprises and were immersed in selected cultural activities.
- In conjunction with the International Finance Corporation (IFC) a case study review on the Chad-Cameroon Petroleum Development & Pipeline Project (A) gave preselected students the opportunity to demonstrate their case analysis skills.
 - The business school became the first academic institution in the region to become a signatory to the United Nations Global Compact. This compact is a voluntary Corporate Social Responsibility initiative which was launched by the United Nations in 2000 and aims to bring together companies, UN agencies, labour and civil society to support universal environmental and social principles.
 - The GSB, represented by the Executive Director, participated in a taskforce of leading business school professors who met in Geneva to develop the Principles for Responsible Management Education. These principles have now been accepted by the United Nations as best practice for business schools worldwide and are being incorporated into the Lok Jack GSB’s teaching logics.
 - The Centre for Training & Development maintains important relationships with Project Management College (PMC), Graduate School of Banking (University of Wisconsin, Madison), and George Washington University (GWU) for providing accredited training in Project Management, Finance and Events Management respectively.

In 2006-2007, as the Unit's cadre of programme offerings expanded, new relationships were formed with various international firms including: Harrison Chevalier Inc, Real Time Strategy LLC, Project Management Institute (PMI) Southern Caribbean Chapter and Information Technology Special Interest Group (IT SIG).

- In conjunction with Campus I.T. Services and the School for Graduate Studies & Research online applications were first accepted for the September 2006 intake. In conjunction with the Instructional Development Unit a Certificate Programme in Tertiary Level Education was hosted for the first time at the GSB facilities in April 2007. In February 2007 the GSB participated in the UWI World of Work Seminar. The GSB also hosted a booth at the Better Living Exposition at the Center for Excellence. On 20th March 2007 an MBA Open day was held to sensitise prospective students and business managers to the benefits of pursuing an MBA.;
- The Arthur Lok Jack Graduate School of Business continued its membership in the European Case Clearing House as a source of teaching cases in addition to launching a similar association with the Richard Ivey School of Business, The University of Western Ontario Case Clearing House in 2007.
- The Arthur Lok Jack Graduate School of Business continued its association with leading business organisations in Trinidad & Tobago Chamber of Commerce, The American Chamber of Commerce, United Nations Global Compact, South Trinidad Chamber of Industry & Commerce, Repsol YPF BGTT, Republic Bank and Nalis.

Revenue Generating Activities

The Centre for Training and Development (CTD), was segmented into 6 functional product lines during 2005-2006 and has continued to grow and develop into its strategic model and place within the Graduate School of Business.

The unit delivered 117 short term, public offering programmes during 2006-2007, along with 4 cohorts of ACCA Diploma in Financial Management (83 participants total) and 9 cohorts of Certificate in Events Management (201 participants total). The CTD averaged close to 10 public programmes per month, and for the year, trained 2189 programme participants from private and public sector companies. The Centre for Training & Development also conducted 29 in-company training sessions.

The CTD was successful in executing training programmes in other Caribbean islands. Two cohorts of the Events Management (EM) certificate programme were conducted in other countries in the region – Grenada and St. Lucia. The Project Management (PM) product line also made regional strides and conducted a training programme in their discipline for Cable and Wireless in Grenada. We have also seen an inflow of people from the region to our facility for various training programmes, a testament to the development of our reputation for excellent training in the region.

Caribbean Centre for Monetary Studies (CCMS)

The original mandate of the Caribbean Centre for Monetary Studies (CCMS) was to undertake independent research of an empirical and theoretical nature in the areas of money and finance. International developments and recent experience in the region underline the continuing need for studies and discussions which can inform policy making in an economic environment becoming increasingly integrated into a rapidly changing global system.

The CCMS continues to provide credible forums for interaction between practitioners and scholars, while it continues to add to its own voluminous literature on monetary and financial matters. Besides their own research, the staff (academic and non-academic) have provided valiant assistance in the publication of our new Journal and in the organizing of the Centre's annual trademark Senior Level Policy Seminar and Annual Monetary Studies Conference which have gained a high reputation in the region. The Centre continues to service the CARICOM Central Bank Governors meetings by providing reports on economic performance in the region.

Staff

The CCMS is in the process of restructuring to facilitate a greater research capability and a wider range of functions. Prof. Ramesh Ramsaran continues to act as the Executive Director.

Outreach

New Journal

The CCMS, the Department of Management Studies, the Department of Economics and Sir Arthur Lewis Institute of Social and Economic Studies (SALISES) (St. Augustine) launched a new Journal out of St. Augustine called The Journal of Business Finance and Economics in Emerging Economies. The first issue came out in December 2006.

The 11th Senior Level Policy Seminar

The 11th Senior Level Policy Seminar was held in May, 2007 with the theme Fund Management in the Caribbean: Rapid Growth and Regulatory Challenges. Two of the major speakers were Mr. Sudhir Rajkumar (Head-Pension Investment Partnerships, World Bank Treasury) and Mr. Jonathan Boersma (Executive Director, Global Investment Performance Standards, CFA Institute). The Annual Senior Level Policy Seminar is used to engage the public and private sectors on salient finance issues of the day. It is also a revenue generating exercise for the Centre.

Annual Conference of Monetary Studies

The CCMS Annual conference is perhaps the leading economics conference in the region. The 38th Conference was held in Barbados in October/November 2006. The theme was Strengthening Economic Relationships within the Caribbean Region. A selection of the papers is in the process of being published.

CARICOM Central Bank Governors Meetings

In the context of the Caribbean integration exercise, the CCMS monitors convergence indicators in the region and reports to the Governors' Meeting twice a year.

Research in Progress

Anthony Birchwood

Application of the Taylor-Type Rules for the Conduct of Monetary Policy in the Caribbean

The study examines the effect of globalisation on the conduct of monetary policy in the Caribbean and whether simple Taylor-type rules can be applied to make monetary policy more predictable. In so doing, the study investigates the degree to which a central bank can influence operational instruments, such as the short-term interest rate, given the impact of global factors. In so doing, it explores the autonomy the central bank has to influence the movement of these instruments for monetary policy to be effective. The study is primarily motivated by the quest by regional central banks to move away from the use of direct controls to the use of indirect instruments to make monetary policy more market determined.

Do Economic Development, Foreign Exchange Capacity and Exchange Rate Regime Matter to Import Demand in the Caribbean?

The study is done in the context of chronic external current account deficits obtained in most territories in the Caribbean. It applies GMM estimation and panel cointegration to see whether economic development, foreign exchange capacity and the exchange rate regime matters to import demand in the Caribbean. As such, the study would examine whether the key to containing the trade deficit in most territories lie in incomes policy, exchange rate regime or other type of policy derived from the study.

Dave Seerattan

Direct interventions and Interest Rate Policy in the Caribbean

The study investigates whether direct intervention and interest rate policy in select Caribbean countries are of any use in restoring calm to volatile foreign exchange markets.

The Microstructure of Foreign Exchange Markets. Pricing and Liquidity Dynamics in the Caribbean

The study utilises the microstructure framework to explore how the structure of the foreign exchange market such as the number of dealers affect the size of the bid-risk spreads, volatility and liquidity in the Jamaican foreign exchange market.

Centre for Gender & Development Studies (CGDS)

The Center for Gender & Development Studies (CGDS) made significant progress this year towards fulfilling its mandate of teaching, research and outreach. Student enrolment in courses offered by the Centre increased and new courses were introduced at both the undergraduate and postgraduate levels. The Centre conducted several workshops and outreach activities throughout the year. These generated a high level of interest in and awareness of the latest developments in the field locally, regionally and internationally.

As the Centre grows and become more active, space continues to be a serious constraint. After many years of lobbying for space, the former Campus Principal allocated new accommodation to the CGDS on the second floor of a three-storey building which is to be constructed. However this building will not be ready for at least another two years.

Meanwhile, the Centre continues with its plans to expand its teaching agenda in 2008 with the finalisation and approval of the revised graduate programme and the introduction of a new course, Gender and Cinema for the Film Studies Programme.

Students

Aggressive marketing targeting both students and administrative staff in the Faculty of Social Sciences helped the Centre to attract a larger number of students this year – 415 in all. The three most popular courses were Introduction to Women's Studies (82 students), Men and Masculinities in the Caribbean (78) and Gender Issues in Agriculture (73).

Ms. Raquel Sukhu, student from the first cohort, graduated with an MPhil in October 2006.

Staff

Appointments

Ms. Gabrielle Hosein
Assistant Lecturer

Resignations

Ms. Candice Dickson
Ms. Shelene Gomes

Research

Below is a selection of research projects being carried out by staff and students at the Centre for Gender & Development Studies:

Gender, Sexuality and Implications for HIV and AIDS

Over this academic year the main activities of this programme were fund-raising for Phase II and completion of a book manuscript. Phase II is being organised through two main components which will run concurrently. The work is being carried out by a cross-disciplinary team involving the Centre for Gender and Development Studies, the Faculty of Medical Sciences, the Social Work Unit of the Faculty of Social Sciences, and Northwestern University School of Law.

Child Sexual Abuse with a Focus on Incest

This proposal has been approved by the UNIFEM Trust Fund and the study will be conducted in collaboration with the Coalition Against Domestic Violence.

Caribbean Sexual Cultures

This proposal, prepared jointly with the UWI HIV/AIDS Response System (UWI-HARP), Cave Hill; Foundation Ultimate Purpose of Suriname; York University, Canada and UNIFEM Caribbean, was submitted to the International Development Research Centre (IDRC). Some funding was also received from the UWI/Government of Trinidad and Tobago Research and Development Fund.

“Yuh Boysing”: Understanding Gay Male Relationships and its Associated Risks in Trinidad

This research was carried out in Trinidad by Visiting Scholar Dr. Wesley Crichlow. It was based on in-depth interviews carried out throughout Trinidad from January to May 2007.

Nariva Swamp Project

An interactive DVD based on the Nariva Swamp Project has finally been completed. The DVD includes a music video, the video documentary and photographs. Ms. Gabrielle Hosein was responsible for the completion of this project.

Gender and Economics in the Caribbean: Quantifying the Migration – The Case of Guyana and Trinidad

A small grant was approved by the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), Cave Hill Campus for this research. Ms. Deborah McFee is the primary researcher assisted and supervised by Prof. Patricia Mohammed.

Making of Feminisms in the Caribbean

Additional funding from the Campus Research Fund is making the continuation of this project possible. Work is being carried out on the creation of a Biographical Dictionary of Feminists and Women’s Movement Activists which will be integrated into the online UWI/Emory Gender Image base.

Women, Gender and Water

The research group on this theme has now become involved in CAP-NET, the international network for capacity building in Integrated Water Resources Management (IWRM); and Caribbean Water Net, the Caribbean partnership of the Global Water Alliance (GWA). This year the Prof. Reddock and Ms. Linnette Vassel of the CGDS presented a double session on Gender and Water at the launch of a regional training course on IWRM organised by the Faculty of Engineering. A one-day workshop on Gender and Integrated Water Resources Management is being planned.

Engendering Change: Caribbean Configurations

This is a teaching and outreach documentary film produced as a result of the intensive training begun last year by the CGDS. Copies of the 40-minute film are being circulated on DVD to all participant countries, UNIFEM and other key agencies in the region. A CD-Rom and PowerPoint presentation accompany the DVD, providing additional support when the film is used in teaching and workshop settings.

Upcoming research projects include two new projects on Gender and Sexuality a training workshop on Women, Gender and Water, and the establishment of a Virtual Museum.

Programmes

The CGDS offered 10 programmes this academic year. Three new undergraduate courses were introduced - Philosophy of Gender, Philosophy of Gender in Caribbean Thought and Gender, Ethnicity and Class in the Anglophone Caribbean. A fourth course on Gender, Violence and Trauma in Discourse could not be offered because of staff constraints.

The postgraduate programme is being substantially revised to cater to the range of options which graduate students require. The Centre is therefore concentrating on the completion of outstanding degrees and preparing for the implementation of the new revised programme by September 2008.

Outreach

The CGDS facilitated, hosted and or participated in a number of activities open to the public. These included:

Lecture Tour: Mrs. Sisulu's Husband

With funding from SEPHIS*, the Centre organised a month-long lecture tour featuring award-winning author, human rights activist and political analyst, Elinor Sisulu. While based in Trinidad, Ms. Sisulu also visited Tobago, Grenada, Jamaica, Suriname, Barbados with her presentation - Mrs Sisulu's Husband: Subversion of Gender Roles in an African Marriage. Ms. Sisulu also participated in the Centre's Lunch-time Seminar Series, delivering a lecture on Women and the Current Crisis in Zimbabwe. This tour was a direct outgrowth of Prof. Reddock's visit to South Africa and attempts to strengthen South-South Dialogue.

**South South Exchange Programme for Research on the History of Development*

Youth Outreach

The Centre provided Gender Sensitivity Training to young people engaged in two state-run programmes – the Trinidad & Tobago Conservation Corps and the Youth Programme of the Military Academy. Both programmes fall under the Ministry of National Security.

Lunchtime Seminars

From Genderstanding Jesus to a comparison of domestic violence in rural communities in Alaska and Trinidad, to the interplay between gender and cricket - this year the Centre's Lunchtime Seminars showcased the diversity of research in the field. The number of Seminars also increased from 9 last year to 15 and once again attracted a wide audience.

University of California, Berkeley - Summer Sessions

Twenty-one students from the University of California, Berkeley attended summer sessions hosted by the CGDS this year. The students participated in courses on Caribbean Political Economy in the Age of Globalisation and Culture and Environmental use in Trinidad, Barbados and Rural South America.

The courses are Berkeley courses and were taught by Prof. Percy Hintzen while the CGDS organised guest lectures.

Revenue Generating Activities

The Centre hosted two additional courses this year to boost revenue. A mid-year course on "Doing Ethnography: The Poetics and Politics of Qualitative Research" was conducted by Dr. Diana Fox, Associate Professor of Anthropology, Bridgewater State College, Massachusetts. It was completed by 18 persons. For the second time Introduction to Women Studies was offered during the summer and was taught by Ms. Camille Samuel and Ms. Shelley Santiago. Twenty-eight students pursued this course.

Distinguished Visitors

The following persons visited the Centre during this period:

Professor Janet Momsen

University of California

Mr. Andy Taitt

Consultant Barbados

Professor Gautam Premnath

University of California

Professor Barbara Cruz

University of South Florida

Professor Kevin Yelvington

University of South Florida

Assoc. Professor Dennis Canterbury

Eastern Connecticut State University

Professor Branwell

Sheffield University, UK

Professor Shirley Hume

UCLA, Los Angeles

Professor Troy Duster

New York University & University of California, Berkeley

Professor Martha Tomhave

College of St. Benedict

Professor Ozzie Mayers

College of St. Benedict

Professor Eugene Baer

Dean of Students, Hobart and William Smith College

Dr. Chip Capraro

*Associate Dean of Students,
Hobart & William Smith College*

Commonwealth Secretariat Evaluation Team

Ms. Laverne Jacob-Browne

University of Southern Caribbean

Mr. Tom Sinkoviks

International Migration Organisation

Dr. Alissa Trotz

University of Toronto

Ms. Karen Diaz

Independent Consultant

Ms. Isabela Lacerda

Alexander Street Press (online publishers)

Ms. Elinor Sisulu

Author, Johannesburg, South Africa

Ms. Opal Palmer Adisa

Author/Writer, University of Oakland

Dr. Helen Moffett

*Professional Editor, Writer and Research Fellow at the African
Gender Institute, University of Cape Town, South Africa*

Health Economics Unit (HEU)

The following highlight some of the activities and achievements of the Health Economics Unit during the academic year 2006-2007:

- The HEU continued to access funding from the Ministry of Science, Technology and Tertiary Education, which facilitated the successful consolidation of the Health Economics Unit. The Unit continued to aim to become a major site for training research graduate students in health economics and to engage in activities which would continually support research graduate students.
- Professor Karl Theodore lead a team of researchers on a project being funded by the United Nations Development Programme (UNDP) under its HIV-AIDS Regional Programme for Latin America and the Caribbean, which is designed to boost the effectiveness of HIV/AIDS response programmes in the Caribbean.
- The HEU, under the World Bank IDA Pan Caribbean Partnership Against HIV/AIDS (PANCAP) Fund, continues to engage in a number of activities which assisted in institutional strengthening. Some of the main activities are as follows:
 - *Graduates trained in Health Economics:* Under this grant, the Unit was able to offer internships in Health Economics to 2 of our graduate students from the OECS countries, and to award one scholarship in the amount of TT\$31,500.

- *Long-term staff positions for the HEU:* The Unit was able to fund long-term staff positions. The appointed persons were engaged in HEU research activities and the development of administrative systems. Some of these positions included the appointment of four (4) Junior Research Fellows.
- *Improved operating and logistical capacity of the HEU:* Improved administrative systems were developed.
- *Design of the HEU Building to be located at 25A Warner Street, St. Augustine:* Detailed design and preliminary construction of the HEU building was approved and completed. Request for Tender Proposals for construction of the HEU building were sent out.

Major Projects Completed

Foreign Direct Investment and Health in the Caribbean

This project explained the growth process of Caribbean economies and it also measured the importance of investments in health to the process of economic growth in these countries. A study done under a Pan American Health Organization/World Health Organization (PAHO/WHO) Fellowship Grant. – February 2007.

Technical Assistance & Training To Support Country Resource Needs Assessment

The HEU provided technical assistance in order to introduce tools and methods to improve national level estimates of resource need assessments for HIV and AIDS interventions. A project done for UNAIDS Geneva. - December 2006.

Evaluation Study of the Bahamas

HIV/AIDS Programme –

A project under the World Bank IDA PANCAP Grant. Executed by the Caribbean Community (CARICOM) acting through the CARICOM Secretariat to support the Pan Caribbean Partnership Against HIV/AIDS (PANCAP) with the goal of expanding, consolidating and effectively coordinating support in an effort to reduce the impact of HIV/AIDS on the human and economic development of the Caribbean region. - Final report submitted in December 2006.

Review of Socioeconomic Conditions

in CAREC Member Countries (CMCs) –

This report was done for (PAHO/WHO)
– August 2006

Research and Projects in Progress

Design and Support of the Implementation of a National Health Insurance System in the British Virgin Islands

A project done for the Government of the British Virgin Islands.

Strengthening the Community of Persons Living with HIV/AIDS and Those Affected by HIV/AIDS in the Caribbean - A Community Based Initiative

A Global Fund Programme Project, with the HEU as a sub-recipient receiving a grant from the Caribbean Regional Network of People Living with HIV/AIDS (CRN+), the principal grant recipient.

HIV/AIDS and Human Development in the Caribbean –

A project being funded by the UNDP. It aims at improving the effectiveness of the response to HIV/AIDS through the quality of the response to the epidemic, as well as the targeting of programmes being implemented by shifting to a much higher level that which currently prevails via research, training and technical policy support throughout different countries within the region.

Costing of Health Programs in Small Island States.

A project under the World Bank IDA PANCAP Fund. Executed by the Caribbean Community acting through the CARICOM Secretariat to support the Pan Caribbean Partnership Against HIV/AIDS (PANCAP) with the goal of expanding, consolidating and effectively coordinating support in an effort to reduce the impact of HIV/AIDS on the human and economic development of the Caribbean region – July 2006 to present.

Institute of International Relations (IIR)

Staff

At the end of October, 2006 the Institute bade farewell to Professor Dennis Gayle who had acted in the position of Director for three years. Under his stewardship the IIR Today Newsletter and the Institute's column in the Sunday Guardian - "The World Today" - were launched, and several workshops were conducted in the countries of the Eastern Caribbean.

Upon the request of the Vice Chancellor, Mr. Anselm Francis assumed the post of Director (Ag.) from 1st November, 2006 to 31st July, 2007.

Appointments

Dr. Mark Kirton

Senior Lecturer, International Relations of Latin America

Dr. Debbie Mohammed

Lecturer, International Trade and Development

Ms. Gale Rigobert

Assistant Lecturer, History and Politics

In spite of these appointments, we continued to utilise the services of part-time staff, particularly for the Specialised Seminars. In offering the part-time contracts, the Institute sought to strike a balance between experience and youth. It was gratifying to note that the young part-time lecturers were graduates of the Institute.

Professor Vaughan Lewis and Professor Norman Girvan's contract as Professor in International Relations were extended for another one-year period.

Programmes

Master of Science in International Relations

Academic Year 2006-2007 was the seventh year that the taught Master of Science Degree in International Relations programme was offered. The MSc curriculum has been substantially revised to reflect the changing nature of the discipline of International Relations and to equip the graduates with more competitive and marketable skills.

The programme has been divided into Core Courses and Electives. Two enabling courses were included - Foreign Language and Research Methodology. The course in Research Methods was offered in Semester II and was extended to all students of the Institute regardless of programme. The aim was to provide the essential tools to increase the competence of students in research methodology, including qualitative and quantitative methods, the philosophy of research and proposal writing.

Further revisions were planned for Academic Year 2007-2008. The core courses retained, and the electives divided into streams. Students were to choose a stream, rather than choose individual courses. This arrangement should enable the Institute to include more courses in the programme and minimise the risk of some courses not being selected.

MPhil and PhD students continued to present their research findings to members of faculty and their peers. Although the presentations receive wide publicity, attendance was often disappointing.

Research

Areas of research carried out at the Institute at present include but are not limited to the following:

- The Law of the Sea and its Impact in the States of the Caribbean;
- The WTO and the Establishment of a Caribbean Single Market and Economy;
- International Relations of Small States;
- Regional Integration;
- International Relations and Economic Development;
- Institutional capacity for documenting cultural industries;
- Development issues arising from changes in global financial markets and operation of the International Monetary System;
- E-development strategies for the English speaking Caribbean;
- The impact of globalisation on the Third World, with particular emphasis on the challenges ushered in by the globalisation of new and emerging information communications technologies;
- Trade Policy and Export Competitiveness;
- Role of IT in Caribbean Development Strategies;
- Telecommunications Liberalisation in the Caribbean;
- E-Government Information Systems.

Outreach

The Institute organised a visit to Guyana by the MSc students, where they were able to observe a meeting of the CARICOM Council for Trade and Economic Development (COTED) and to interact with delegates of the Rio Group, which by coincidence, was meeting in Guyana at the time.

On their return to the Trinidad, the students reported that they were highly impressed and expressed their gratitude for the organisation of the visit. The Institute was grateful for the contribution made by the Dean of the Faculty of Social Sciences and that of the CARICOM Secretariat.

A Mock United Nations meeting was also organised this year. One of the sessions focused on the General Assembly and the other on the Security Council.

Training Workshops

The Institute conducted two workshops in Guyana, targeting mainly the indigenous people of the interior. The primary objective of this exercise was to help build capacity and, in the process, to acquire some knowledge about the relationship between the Amerindian people and the State. More often than not the State is the principal unit of analysis but it would be a mistake to ignore groups within the State because neglect and alienation can lead to instability.

Seminars & Lectures

Both Professor Norman Girvan and Professor Vaughan Lewis, two of our highly respected academics, made presentations to the CARICOM Technical Group prior to the Intersessional Heads of Governments Meeting in February of this year. Professor Girvan addressed the issue of the CARICOM Single Market and Economy and Professor Lewis considered governance issues. Both papers were adopted.

With respect to the Rio Group, a position paper was prepared by Professor Lewis, Dr. Mark Kirton and Ms. Gale Rigobert. The title of the paper was “CARICOM Perspective on Enhancing the Participation of Small States in the International System.” It was presented by Dr. Kirton to the Technical and Officials Workshop of the Rio Group at its meeting in Guyana in November, 2006.

At the Institute, we consider it our mission to develop expertise on issues pertaining to Small States and it is a fair comment that our capacity in this area has been enhanced. It receives significant attention in the areas of our core competence, teaching and research.

Guest Lecture

A lecture was delivered by distinguished German scholar, Professor Dr. Ludger Kühnhardt, Director at the Centre for European Integration Studies of Rheinsche-Friedrich-Wilhelms-University Bonn, Germany in collaboration with the Embassy of the Federal Republic of Germany, the Institute of International Relations and the Alexander von Humboldt Association for Central America and the Caribbean on Tuesday September 26th at the Institute’s Board Room at the UWI, St. Augustine Campus. The title of the presentation was “European Integration - the Current Stage and its Global Perception.”

Publications

Much progress has been made in the area of publications.

- The Institute now has a column in the Sunday Guardian of Trinidad and Tobago and the feedback has been positive.
- The Journal of Caribbean International Relations is considered to be our flagship publication. The second issue came out in October, 2006 and preliminary discussions have been held with Ian Randle Publishers of Jamaica concerning publication and distribution.
- IIR Today is a Quarterly Newsletter which is widely distributed among our Alumni because we consider it imperative to maintain that link. In the main, they are kept abreast of current developments at the Institute.

Seismic Research Unit (SRU)

The past year has been an extremely busy and productive one for the Seismic Research Unit (SRU). Two notable accomplishments were our success in securing major grants from the United States Agency for International Development/Office for Foreign Disaster Assistance (USAID/OFDA) and the Government of Trinidad and Tobago (GOTT) as well as our hosting of an international training course in tsunami warning systems. Both activities are symptomatic of the Unit's thrust towards (a) building a more robust monitoring network that can reliably deliver its products more quickly to our stakeholders and (b) enhancing and diversifying our products in education and outreach such that a wider variety of methods are used to deliver relevant scientific information to vulnerable communities in the Caribbean.

The general pattern of seismicity experienced in the Eastern Caribbean remained unchanged during the period. The Eastern Caribbean Seismograph Network recorded a minimum of 964 earthquakes in our area of responsibility, of which a total of 619 events were located (64%). Activity at volcanoes in the Eastern Caribbean remained low during the period with the exception of the Soufriere Hills Volcano which continued the eruption that began in 1995.

The review year also saw the retirement of some of our long-serving members of staff and the recruitment of new staff in what has increasingly become a younger and more female dominated staff complement. We have successfully increased our revenue from Consultancy work such that we are now able to finance one additional employee to supplement our severely under-staffed IT department.

In addition to network improvements and education and outreach, our main organisational focus has been the development of a strategic plan to guide the Unit's operations for the next 5 years. This plan is now very near completion and has taken full cognisance of the UWI Strategic Plan of 2007-2012.

Outreach

The involvement of a UWI/SEISMIC Team in the BG T&T Energy Challenge was a major undertaking which increased our profile not only on the UWI St. Augustine Campus but also amongst the main players in the Energy Sector, potential sources of funding for monitoring and research projects. Participation in this event was the most significant team building event of the year as it required and obtained the full participation of all staff and resulted in a total of approx. US\$2,500 being raised for charity. Employee volunteerism is a new area of activity which we will review in the New Year.

Our collaboration with regional agencies such as the Montserrat Volcano Observatory, the Institut de Physique de Globe du Paris (Observatories in Guadeloupe and Martinique) and FUNVISIS was increased during the year with exchange visits of staff to all of these organisations. We have continued to work with colleagues at the Puerto Rico Seismic Network in the development of a tsunami warning system for the Caribbean and Adjacent Areas.

Our involvement in this UNESCO/IOC driven effort has also meant greater collaboration with various UN agencies including the IOC, IOCARIBE, WMO, and the UNDP. In recognition of our key role in this effort the Unit was recently invited to become an Observer member of the ICG-CARIBE-EWS, the governmental body responsible for the establishment of a Tsunami Warning System in the Caribbean. Linkages with institutions outside the region have continued to increase with staff visiting the University of Bristol and the University of Blaise Pascal. An MOU was signed with the University of Bristol during the year and has already resulted in several joint research projects.

Our main focus for the upcoming year will be the implementation of our Strategic Plan. One key element is the construction of a new building to house the Unit. We will continue to build on existing collaborations with external agencies and internal UWI departments as we develop our small post-graduate research degree programmes in volcanology and seismology. We anticipate that it will be another busy year as we take measures to improve and increase the Unit's local, regional and international profile as a centre of excellence for volcanology and seismology in the Caribbean.

Staff

Appointments

Ms. Meagan Sylvester

*Caribbean Tsunami Early Warning System
– Communications and Protocols funded by USAID/OFDA.*

Mr. Roderick Stewart

Volcano Seismologist

Promotions

Ms. Nisha Nath

Chief Technician

Research

The work of the Unit is focused primarily on seismology, volcanology and public education with a view towards improvement in our ability to provide accurate and up-to-date information about earthquakes and volcanic activity in the Eastern Caribbean.

Internal Projects

Strong Ground Motion Studies:

The project seeks to upgrade the current seismic network in the islands of Trinidad and Tobago with a focus on data collection of strong ground motion. This project secured a competitive financial award of US\$36,102.24 from the Government of Trinidad & Tobago Research Fund.

Heat Transfer Between Rotating Permeable Discs Moving Towards Each Other within an Orthogonal Magnetic Field:

This research has been completed and a full paper has been sent to the International Journal of Heat and Mass Transfer. This work is an extension of the paper: Bhatt, B., Mohais, R., Temperature and Heat Transfer Profiles of a Fluid Film Squeezed Between Two Permeable Isothermal Discs Rotating within a Magnetic Field. In 'Simulation of Electrochemical Processes'. (Eds. A. Brebbia, V.G. Degiorgi, R.A. Adey), pp. 119-129. WITpress, 2005.

Chaos analysis of volcanic earthquakes: Studies are being conducted using the swarm of volcanic events that occurred in Dominica over the period 1998-2001. The results of these analyses will enable researchers to make better informed decisions on volcanic hazards.

PhD Research

Rosemarie Mohais (Mathematics)

Heat Transfer Studies of Coupled Fluid Flow in Porous Media:

The research investigates the three main geometries through examination of channel flow, flow between discs and spherical bodies. The thesis uses analytical and numerical techniques to investigate the effect of variations of temperature on the heat profiles of specific bodies which exist in Newtonian fluids. Applications of the specified geometries to geophysical fluid dynamics are currently being developed. Thesis submitted in 2007.

Lloyd Lynch (Computer Sciences)

Application of Distributed Computing Techniques in Earthquake and Volcano Monitoring:

This project is primarily concerned with the integration of Information and Telecommunication Technology into the regional seismic data acquisition/monitoring network.

Joan Latchman (Seismology)

Tobago and Earthquakes:

Three main themes investigated include forecasting of the strongest 1997 earthquake near Tobago using b-value analysis, and other indicators; projected seismicity near Tobago based on past seismicity near, and in the far-field off the east of Tobago; and Hydrological effects of the 1997/04/22 Tobago earthquake. Thesis submitted in August 2006.

Erouscilla Joseph (Chemistry)

Geochemistry of hydrothermal systems in Dominica and Saint Lucia:

Sampling and analysis of volcanic gas and hot springs on both islands; characterisation of their geothermal systems; and use of fluid geochemistry as a tool for volcanic monitoring.

Influence of Geothermal/Volcanic Fluids and Emissions on Human Health:

Investigating the levels of exposure, the concentration of potentially dangerous elements, and the effects of volcanic discharges to which humans are exposed when using geothermal fields for recreational purposes.

Collaborative Research

Earthquake Classifying Neural Networks Trained with Random Dynamic Neighborhood PSOs:

Research is being done in collaboration with Arvind Mohais of the Department of Mathematics & Computer Science, UWI in the area of Artificial Intelligence. Using the extensive database of signals collected from the strong ground motion monitoring network, artificial neural networks developed by Arvind Mohais were first trained to discriminate the earthquakes from the non-earthquakes using a sorted dataset. Subsequent unsorted datasets were sorted by the trained neural networks with 97% accuracy. The efficient use of artificial intelligence in this field will significantly reduce the time spent on sorting through the raw data collected at strong motion seismic stations.

Study of magma rheology and flow:

This project will utilise Caribbean volcanism as a natural laboratory for the investigation of multiphase magma rheology. It is a collaborative project with the Physics Department at UWI and the University of Bristol. This project secured partial funding of US\$39,936.10 from the GOTT Research Fund and has, since January 2007, been seeking unsuccessfully to obtain the required additional funds. Nonetheless, work has begun and efforts are ongoing to secure additional funding.

ICT Applications in Disaster Management:

The SRU is collaborating with the Caribbean Disaster Response Agency (CDERA) and the National Disaster Organisations in the Caribbean to test and analyze the role of ICTs to strengthen community knowledge and support in the collection of post event information for earthquakes in the Eastern Caribbean. This project is funded by the International Development Research Centre of Canada through a grant of US\$354,766.25 to CDERA.

Earthquake readiness capacity building:

This project seeks to assist CDERA participating states in improving their earthquake readiness capacity. Funding has been secured through a grant from the Government of Austria of US\$519,613.77.

Multiphysics fluid dynamics modelling of the Boiling Lake, Dominica:

This research involves multiphysics fluid dynamics modelling of the Boiling Lake, Dominica long term stability and short-term variations and is being done in collaboration with the University of Bristol, UK (Fred Witham).

Micro-gravity and deformation surveys in the southern collapse structures of Dominica:

This research is being done in collaboration with the GeoForschungsZentrum Potsdam (GFZ), Germany's National Research Centre for Geosciences (Dr Thomas Walter, Joel Ruch). It examines short term variations of geothermal activity at the Boiling Lake using temperature and pressure sensors installed for the experiment.

Micro-gravity study at the Soufriere Hills Volcano on Montserrat:

This research is being done in collaboration with the University of Bristol, UK and involves deformation surveys to assess mid-term deep volcanic processes (Steffi Hautmann) and continuous gravity high temporal resolution deformation to assess short-term shallow volcanic processes (Dr. Joachim Gottsmann).

Heat propagation through a lava channel, the base of which is lined with a permeable magmatic foam:

This is being done in collaboration with the Department of Math & Computer Science (Professor Bhatt, UWI St. Augustine). This is an extension of the paper: Mohais, R., Bhatt, B. How does permeability affect the heat transfer profile of fluid flow within a partially permeable channel with an accelerating surface velocity? Progress in Computational Heat and Mass Transfer Volume 1. (Eds. R. Bennacer, A.A. Mohamad, M.E. Ganaoui, J. Sicard), pp. 363-366. Lavoisier 2005.

Major Projects*Kick 'em Jenny:*

A successful attempt was made to utilise all funds remaining in a Caribbean Development Bank grant of 2000 given for improvements in the monitoring system established for Kick 'em Jenny submarine volcano. These funds enabled the purchase of equipment to replace all monitoring stations which had been severely damaged due to the passage of Hurricane Ivan in 2004, as well as new communications equipment (VSAT satellite) for the Kick-'em-Jenny Observatory and the development of public education materials to be used in Grenada.

Volcanic Hazard Atlas - DVD Version:

This electronic version of the Volcanic Hazard Atlas of the Lesser Antilles contains the entire print version as Adobe Acrobat PDF files along with a number of videos files which illustrate the major types of volcanic hazards to which vulnerable island populations are exposed.

VSAT – Seismic Network Upgrade:

With the generous support of the USAID/OFDA and the GOTT, the SRU secured grants of US\$249,680 and US\$140,200 respectively to fund a project that allowed for a critical upgrade of the Unit's seismic monitoring network. The grants also provided funding to develop data sharing policies between earthquake monitoring agencies in the Caribbean Basin, a critical component towards the establishment of a tsunami warning system for the region.

ICG-CARIBE EWS:

The SRU is collaborating with CDERA and its participating states to empower coastal communities to prepare for and respond to tsunamis and coastal hazards (in support of the Tsunami and Coastal Hazards Warning System – TCHWS). Funding is being provided for the development of community-based education materials. The project is being funded by a grant from USAID/OFDA to CDERA of US\$475,200.

Outreach

During the 2006-2007 academic year, the Seismic Research Unit was involved in a rich variety of education and outreach activities which served to meet the Unit's ongoing goal of promoting geologic hazard awareness across the region. Additionally, these activities significantly enhanced the Unit's public image as the foremost authority for information on geologic events in the region.

Workshops, Conferences & Seminars:*Caribbean Training Course in Seismology & Tsunami Warnings.*

Over forty participants from more than twenty countries in the Caribbean and Latin American region convened on UWI's St. Augustine campus for a six-day Caribbean Training Course in Seismology and Tsunami Warnings. The Course was part of an ongoing regional effort to establish a tsunami warning system for the Caribbean and Adjacent areas. It provided participants with an understanding of the science behind tsunami warnings and exposed them to operational best-practices of warning centres. Coordinated by the SRU, the Course was organised in conjunction with the United States Geological Survey (USGS), the International Tsunami Information Centre (ITIC), the Puerto Rico Seismic Network (PRSN), the National Oceanographic and Atmospheric Administration (NOAA), the Intergovernmental Oceanographic Commission (IOC), and UNESCO. The Course was funded by the USAID/OFDA, the United Nations Development Program (UNDP), and the UWI Centre for Disaster Management and Risk Reduction.

Earthworm Training Course:

Running concurrently with the Caribbean Training Course in Seismology and Tsunami Warnings was a training programme for seismic technicians in the use of EARTHWORM, a seismic data processing package used in managing real-time seismic data streams.

Public Lectures:

At least twelve public lectures on earthquake science and safety were delivered to a combination of general audiences and special interest groups in Trinidad. Five student lectures were also delivered.

Following the 29th September, 2006 magnitude 5.8 earthquake near Trinidad, there have been numerous requests from Health & Safety personnel at both private and public agencies for lectures on earthquake vulnerability and preparedness. A proposal for a series of such seminars for this group is being considered.

Exhibitions: During the year, a portable display system was purchased for mounting information panels. This system has significantly enhanced the Unit's travelling exhibition by creating an attractive and professional display. The Unit participated in five exhibitions during the year.

Sir Arthur Lewis Institute of Social & Economic Studies (SALISES)

The Sir Arthur Institute of Economic (SALISES) at St. Augustine enjoyed a very successful academic year. Once again our staff participated in the teaching programmes of the Institute and of the wider Faculty and continued supervision of Master's, MPhil and PhD students. It continued its scholarly activity, which resulted in the publication of journal articles and technical reports, and it also continued the publication of *Caribbean Dialogue*. It is the Institute's intention to go even further in the 2007-2008 academic year in these and other ventures. Also the St Augustine Campus of the University has declared the year 2008 as the Year of Sir Arthur Lewis. The SALISES, St Augustine, has been asked to play a leading role in this enterprise. Activities will involve a series of Distinguished Lectures, two conferences (one for graduate students) and other activities.

Staff

Appointments

Dr. Sandra Sookram
Junior Fellow

Resignation

Dr. Taimoon Stewart

Programmes

Members of staff taught courses in the Institute's MSc programme. They also supervised students in this programme as well as student in the Institute's MPhil and PhD programmes. Members were also responsible, in whole or in part, for teaching undergraduate and graduate courses in the programmes of the wider Faculty of Social Sciences at St. Augustine.

Research

Grants were received for the conduct of the following research projects:

- *The Informal Sector, Poverty, and Gender in the Caribbean* (part of the *Gender and Economics in the Caribbean Project*: a collaborative effort between the United Nations Development fund for Women and the Sir Arthur Lewis Institute of Social and Economic Studies).
- *Competitiveness and growth in Trinidad and Tobago*: a research project done in collaboration with the Foundation for Latin American Economic Research (FIEL), Buenos Aires, Argentina, funded by the Inter-American Development Bank (IADB).

Research in Progress

- Social Accounting Matrices (and extensions) for the Caribbean, with applications to poverty, human capital formation and income distribution
- Computable General Equilibrium modelling of the Caribbean Economy, with applications to trade, poverty, income distribution and the environment
- Finance (including micro finance) and Financial markets in the Caribbean (Funded by CMMB)
- Poverty, poverty reduction and inequality with special reference to the Caribbean
- Sport and development in the Caribbean
- Social Measurement in the Caribbean.
- Return Migration
- Population Dynamics in the Caribbean

Outreach

The Institute at St. Augustine hosted the 8th Annual SALISES Conference which was held in Chagauramas, Trinidad, over the period March 26-28, 2007. The theme of the conference was *Crisis, chaos and change: Caribbean Development Challenges in the 21st Century*.

The Sir Arthur Lewis Distinguished Lecture was delivered by Professor Barry Eichengreen, George C. Pardee and Helen N. Pardee Chair in of Economics and Political Science at the University of California, Berkeley. The title of the lecture was “The Real Exchange Rate and Economic Growth”. Participants were drawn from the Caribbean region, North America and Europe.

Selected papers will undergo a double-blind review process, for publication in a special issue of Social and Economic Studies, to be edited by Drs Roy McCree and Patrick Watson.

Revenue-Generating Activity

The Institute completed consultancies and conducted Executive training programmes. In the coming year these will continue and the Institute will be aggressively pursuing other consultancy work.

Distinguished Visitors

Professor Barry Eichengreen

George C. Pardee and Helen N. Pardee Chair Economics and Political Science at the University of California, Berkeley.

FACULTY OF ENGINEERING

Publications

Journal Papers

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Lewis, T.M., (2007) 'Impact of globalization on the construction sector in developing countries', *Construction Management and Economics*, Vol. 25, Issue 1, Jan, pp.7-23.

Lewis, W.G., Pun, K.F. and Lalla, T.R.M., (2006). 'Empirical investigation of the hard and soft criteria of TQM in ISO 9001 certified small and medium-sized enterprises', *International Journal of Quality and Reliability Management*, Vol.23, No.8, October, pp. 964-985.

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Books and Book Chapters

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Homer, S., **Baccus-Taylor, G.S.H.** and **Akingbala, J.O.** (2007). 'Antibacterial efficacy of *Eryngium foetidum* (Culantro) against Select Foodborne Pathogens'. Paper presented at the 27th West Indies Agricultural Economics Conference of the Caribbean Agro-Economic Society and 8th Conference of the Asociacion De LatinoAmerica y Del Caribe De Economistas Agricolas. July 23 – 27, (2007). Belize City, Belize.

Baccus-Taylor, G.S.H. (2007). 'Foodborne Illnesses; Chemical & Physical Methods of Food Preservation; Common Methods for the Identification of Food Microbes', Workshop on Food & Environmental Microbiology for Non-Microbiologists, CARIRI Training Centre, CARIRI, May 01, (2007).

Al-Tahir, R. (2006). 'Geo-images in combating land degradation in the Caribbean: opportunities and challenges'. URISA 3rd Caribbean GIS Conference, Bahamas. CD-ROM, 10 pages.

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Al-Tahir, R. and S. Baban (2006). 'Using remote sensing to develop land degradation indicators for the Caribbean'. RSPSoc Annual Conference (2006), Cambridge, UK. CD-ROM, 9 pages.

Chinchamee, A., Baban, S., and **Al-Tahir R** (2006). *Defining biophysical land units in the tropical island of Trinidad using remote sensing, field data and GIS*. RSPSoc Annual Conference (2006). Cambridge, UK. CD-ROM, 10 pages.

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Dookeran M., **Baccus-Taylor G.S.H.**, **Akingbala J.** (2007). 'An approach to a Microbiological Risk Assessment in Poultry Sector in Trinidad'. Proceedings of the 26th West Indies Agricultural Conference (Caribbean Agro-Economic Society), pp 76 – 83.

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Lewis, T.M., (2006). 'The Competitiveness of the CARIFORUM Construction Sector' (with Patrick R.J. Sinnott), Proceedings, Construction in the XXI century: Local and global challenges, Joint International Symposium of CIB Working Commissions: W65, W55 and W86, 18-20 October, Rome, Italy.

Lewis, T.M., (2006). 'The Role of Privatisation', Proceedings, Construction in the XXI century: Local and global challenges, Joint International Symposium of CIB Working Commissions: W65, W55 and W86, 18-20 October, Rome, Italy

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Miller K.M., Leong, T and Clarke S. (2007). 'A New Geodetic Infrastructure for Trinidad and Tobago', Proceedings of the (2007) Cambridge Conference, Expanding Horizons in a Shrinking World, Ordnance Survey, July, Cambridge, UK.

Mutabazi, M.I. 'Partnership for Road Transport Management a Case of Trinidad and Tobago'. Presented at the Fourth Latin American and Caribbean Conference for Engineering and Technology. Breaking Frontiers and Barriers June 21-23, Mayagüez, Puerto Rico.

Mutabazi, M.I. and Dindial, R., (2007). 'Field Evaluation of A New Pedestrian Crossing In Trinidad & Tobago: Effect Of Flashing Lights Operation'. In TRB (2007) Annual Meeting CD-ROM. Presented in TRB 86th Annual Meeting, January 21-25, Washington, DC.

Mwasha, A. (2006), 'Modeling the Behaviour of an embankment erected on the soft soil'. Conference on Mathematics and its Applications (C.M.A.I.A.), September 25 – 26 Institute of Critical Thinking, UWI, St. Augustine.

Mwasha, A. (2006), 'Authenticity on Applications of Terzhagi's Differential Equation for Pore Water Presentation'. Conference on Mathematics and its Applications (C.M.A.I.A.), September 25 - 26, Institute of Critical Thinking, UWI, St. Augustine.

Mwasha, A., R. W. Sarsby and S. K. Kari (2006). 'Sisal Fibre Geotextiles'. 8 ICG 8th International Conference in Geosynthetics. September 13 – 26 YOKOHAMA, Japan.

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Sastry, M.K.S., (2007). 'Global Trends in Engineering Education'. Invited by the Engineering Council of India, New Delhi, June

Sastry, M.K.S., (2006). 'Joint Degree Models for Tertiary level Engineering Programmes in the Caribbean Region'. Presented at the 3rd annual Caribbean Area Network for Quality Assurance in Tertiary Education (CANQATE) Conference, 22-23 November, St. Lucia.

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Opadeyi, J and Spence B (2007). 'Benchmarking Disaster Risk Management in Dominica'. A technical report prepared for the Organisation of Eastern Caribbean States (OECS) and United States Agency for International Development/ Caribbean Open Trade Support Program (USAID/COTS).

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FACULTY OF HUMANITIES & EDUCATION

Publications

School of Humanities

Department of History

Brereton, B. and **Rohlehr, G.** (eds.). (2006). Horizons: The Life and Times of Edric Connor (I. Randle, Kingston).

Brereton, B. (ed.), (2007). Looking Over My Shoulder: 47 Years a Public Servant 1885-932 by P.L. Fraser, Lexicon, Port-of-Spain.

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Haraksingh, K., (2006) The Grass and Elephants: Small Countries and Dispute Settlement : Understanding the WTO in Size, Power and Development in the Emerging World Order, R. Ramsaran ed. Lexicon.

Haraksingh, K., (2006). Indians in Trinidad & Tobago in The Encyclopedia of Indians Overseas, P. Reeves ed., Archipelago Press and the National University of Singapore.

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Matthews, G., (2006). Caribbean Slave Revolts and the British Abolitionist Movement, Baton Rouge, Louisiana State University Press,

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Teelucksingh, J., (2006). The 'Invisible Child' in British West Indian Slavery in Slavery and Abolition Vol. 27 No.2, August, pp. 237-250.

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Department of Liberal Arts

Bruni, Nina (2007). *Letras de la Era. Imagen de Trujillo en la Narrativa Dominicana Contemporánea* Santo Domingo, República Dominicana: Secretaria de Estado de Cultura.

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Morgan, Paula and **Youssef, V.**, (2006). *Writing Rage: Unmasking Violence through Caribbean Discourse.* UWI Press, Mona, Jamaica.

Munro, M., (2007). *Exile and Post-1946 Haitian Literature: Alexis, Depestre, Ollivier, Laferrière, Danticat.* Liverpool University Press, Liverpool.

Munro, M. and **Walcott-Hackshaw, E.**, (2006). *Reinterpreting the Haitian Revolution and its Cultural Aftershocks (1804-2004)* UWI Press, Mona, Jamaica

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Regis, L., (2007). *Black Stalin: Kaisonian.* Arawak, Mona.

Simmons-McDonald, H. and **Robertson, I.**, (2006). *Exploring the Boundaries of Caribbean Creoles,* UWI Press, Mona, Jamaica.

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Bruni, N., (2006). *Dossier Voces del Caribe, Cuadernos del CILHA, Centro Interdisciplinario de Literatura Hispanoamericana, Facultad de Filosofía y Letras, Universidad Nacional de Cuyo, Mendoza, República Argentina*, pp.11-80.

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Munro, M., (2006). *Writing Disaster: Trauma, Memory, and History in Edwidge Danticat's The Farming of Bones,* *Ethnologies*, Vol. 28. No. 1, pp. 81-98.

Munro, M., (2006). *Langue, postcolonialisme, et littérature haïtienne; le cas d'Edwidge Danticat,* *Critique* 711-712 (August-September (2006): 694-707.

Munro, M., (2006). *Mirrors and Echoes: Rhythm and Subjectivity in the Caribbean,* in Patricia Donatien, (ed.) *Images de soi dans les sociétés postcoloniales* Paris, Editions Le Manuscrit, pp. 357-65.

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Mansoor, R., (2006-2007). Guest editor for *Contexto*, the literary journal of the Universidad de Andes. Special issue devoted to the culture of Trinidad and Tobago

Rahim, J., (2007). The Nation/A World/A Place to be Human: Earl Lovelace and the Task of Rescuing the Future, *Anthurium*, Vol. 4 No. 2 (1-21).

Rahim, J., (2006). The Discourse of the Closet in Mendes' *Black Fauns* and Kincaid's *My Brother*, *Small Axe* Vol. 10, No. 2, pp. 1-18.

Rahim, J., (2007). (Not) Knowing the Difference: Calypso Overseas and the Sound of Belonging in Selected Narratives of Migration In *Calypso and the Caribbean Literary Imagination*, Eds. Pat Saunders and Sandra Pouchet-Pacquet. Jamaica: Ian Randle Books.

Rahim, J., Poems in Anthologies: (2007): The Felling of a Tree (137), Song (138-39), Lady Lazarus in the Sun (140-43), Miss I-Tired (144), For the Seeds that Wither (144-46), The Wild Cat (147), The Mango (148), A Grandfather Sings (149), My Mother Took It (150), Saint Francis and the Douen (151-52), *New Caribbean Poetry: An Anthology*. Ed. Kei Millar UK: Carcanet Press,

Rahim, J., Short Stories: (2006): Waiting for Mel Small Axe, Vol. 11, No.1, 145-149.

Roberts, N., (2006). Reflexiones sobre una nación: Un acercamiento a la cuestión de la identidad en la poesía trinitaria de Jennifer Rahim In *Contexto: Revista anual de Estudios Literarios*, Vol. 10, No. 12, 77-92

Roberts, N., (2007). Caribbean Identity: An Hispanic Caribbean Perspective. in *Journal of Caribbean Literatures*, Vol. 4, No. 3, pp. 29-49.

Roberts, N., (2007). Racialised Identities, Caribbean Realities: Analysing Black Female Identity in Hispanic Caribbean poetry. In *Caribbean Review of Gender Studies: A Journal of Caribbean perspectives on Gender and Feminism*, Issue 1, April (2007). Available online at: <http://sta.uwi.edu/crgs/currentissue.asp>.

Walcott-Hackshaw, E., (2007). Mrs. B, short fiction in *Avocado*, Commemorating the 1807 abolition of the British Slave Trade, Heaventree Press, London, Vol. 10, No. 11.

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School of Education

The School published the peer-reviewed journal, *Caribbean Curriculum*, Vol. 14, (2007).

Herbert, S., and Rampersad, J. (2007). The promotion of thinking in selected lower secondary science classrooms in Trinidad and Tobago: Implications for teachers' education. *Caribbean Curriculum*, Vol. 14, pp. 73-101.

James, C. (2007). Impacting struggling adolescent readers: A socio-Psycholinguistic study of Junior Secondary students in Trinidad. *Caribbean Curriculum*, Vol. 14, pp. 1-29.

James, C., (2007). Performing West Indian childhood across oceans and time: Gender and identity in Marlene Nourbese Phillip's *Harriet's Daughter*, Merle Hodge's *For the Life of Laetitia*, and Cyril Dabydeen's *Sometimes Hard*. *CCL/LCJ: Canadian Children's Literature / Littérature canadienne pour la jeunesse*, Vol. 33, No.1, pp. 30-54.

James, C., (2007). You'll soon get used to our language: Language, parody and West Indian identity in Andrea Levy's *Small Island*. *Anthurium: A Caribbean Studies Journal* 5.1, http://anthurium.miami.edu/volume_5/issue_1/james-language.html

Quamina-Aiyejina, L., (2007). Gender and Education in the Commonwealth Caribbean: An annotated bibliography, Institute of Education Publication Series, Mona, Jamaica: Institute of Education, Vol. 3.

Herbert, S., and Rampersad, J. (2007). The promotion of thinking in selected lower secondary science classrooms in Trinidad and Tobago: Implications for teachers' education. *Caribbean Curriculum*, Vol. 14, pp. 73-101.

Conference Presentations

School of Education

Biennial Conference presentations by St. Augustine School of Education staff members in April 2007 are listed below:

Bridgewater, M. and Barrow, D., Re-Defining Success in Secondary Schooling in Trinidad and Tobago

De Lisle, J., Validating the Performance Standards in the 2005 and 2006 National Primary School Achievement Tests in Mathematics and Language Arts

De Lisle, J, Keller, C., Jules, V., Smith, P., and Dick, B., When Choosing Might Mean Losing – The Construction of Secondary School Choice in Trinidad and Tobago

De Lisle, J., Smith, P., Keller, C., Jules, V., Lochan, S., Pierre, P., and Seunarinisingh, K., In the Context of Trinidad and Tobago, How Do We Identify Schools that are Succeeding or Failing in the Midst of Complex and Challenging Circumstances?

Geofroy, S., Towards a Research Model Suited for Carrying out a Study on How Adolescent Males Experience Schooling in Contemporary Trinidad

George, J., Herbert, S., and Rampersad, J., Sense of Place and the Teaching/Learning of Lower Secondary Science

George, J. , (2006). The evolution of science curricula in developing countries and the issue of relevance. In M. Cijntje-Van Enkevort, M. A. George, and S. S. Scatolini Apostolo (Eds.), *St. Martin Studies, Conference Proceedings* St. Martin, Netherlands Antilles: University of St. Martin. (pp. 89-94).

Hackett, R. S., School Improvement in Trinidad and Tobago: A Predictor for Successful Educational Reform

Herbert, S., George, J., and Rampersad, J., Collaborating to Reform Science Education in Context: Issues, Challenges, and Benefits

James, C., Using Blogging as a Teaching-Learning Tool in Teacher Education in the Caribbean – An Activity Systems Analysis

Joseph, A., Principal Professional Preparation, Principal Performance and School Effectiveness Within the Secondary School Sector in Trinidad and Tobago

Kallon, M., Anti-Racist Education and Research: A Vision for Caribbean Education in the 21st Century

Keller, C. and Pierre, P., Technology as an Educational Issue

Keller, C. and Reece-Peters, C., From Traditional School Health to an Emerging Health and Family Life Education – The Creation and Transference of an Identity Crisis

Khan, S., A Challenge to Harness the Complexity of Children's Consumer Culture: Caribbean Concerns

Lochan, S., Towards a Conception of Entrepreneurship Relevant to The University of the West Indies

Lochan, S., and Barrow, D., The 'Extra-Lessons' Phenomenon in Trinidad and Tobago

Maharaj-Sharma, R., Using Role-Play to Develop Science Concepts in a Primary Science Classroom

Mohammed, J., and **Keller, C.,** The Problem of Generating a Genuine Social Studies: A Research Agenda

Paddington, B., Nariva Swamp, A Contested Wetland: Issues of Gender and Sustainability, A Video Presentation

Pierre, P., Education for Today: What the People Want

Plummer, D., Is Learning Becoming Taboo for Caribbean Boys?

Rampersad, J., Health and Family Life Education in the Caribbean: Deconstructing Policy

Reid, B. (ed.), (2007). *Proceedings of the 21st Congress of the International Association for Caribbean Archaeology (IACA) Vols. 1 & 2, July, UWI, School of Continuing Studies, St. Augustine.*

Worrell, P., Participating in a Virtual Community

Yamin-Ali, J., Educational Administration as a Micropolitical Exercise

Other Conference Presentations were as follows:

Geofroy, S., (2007). *Freedom, Post-Modernism and Caribbean Masculine Re-descriptions. Philosophy Symposium, August, UWI Cave Hill.*

James, C., (2007). *The Amerindian Presence in a Selection of Children's Literature from Jamaica, Dominica, Guyana and Trinidad and Tobago in the Anglophone Caribbean, June Christopher Newport University, Virginia, USA,*

James, C., (2007). *Creative and cultural identity in the work of Anson Gonzales: A study of Proseleela, Chela Quest, and Crossroads of Dream as spiritual and literary autobiography, June, University of the Southern Caribbean.*

Rahim, J., (2006). A Quartet of Daffodils Only: Negotiating the Specific and Relational in the Context of Multiculturalism and Globalisation, in Caribbean Literature in a Global Context. Conference Proceedings of the 20th Anniversary Conference on West Indian Literature, March 1st - 3rd, 2001, The University of the West Indies, St. Augustine, Trinidad, Lexicon Books, pp. 31-64.

Youssef, V., (2006). On Judgement in Proceedings of Fourth International Conference on Crime and Justice in the Caribbean, The University of the West Indies, St. Augustine, 2005.

Youssef, V., (2006). Unmasking Ideology through Language. Proceedings of the Eighth Annual Eastern Caribbean Islands-in-Between Conference, Tobago, November 9th-12th, 2005.

Youssef, V., (2007). ICE Trinidad: Teacher Language Investigation in a University Research Class, with Dagmar Deuber. In Online Proceedings of the Fourth Conference on Corpus Linguistics, July 26th-30th, University of Birmingham, UK.

Youssef, V., (2007). Teacher language in Trinidad: A pilot corpus study of direct and indirect Creolisms in the verb phrase, with Dagmar Deuber. In Online Proceedings of the Fourth Conference on Corpus Linguistics, July 27th-30th, University of Birmingham, UK.

Centre for Creative & Festival Arts (CCFA)

Publications

Crichlow, K., (2007) Blackened Figures: Art and Politics in the Paintings of Carlisle Harris. Published in The Arts Journal, Vol. 3 Nos. 1 & 2 - March.

Conference Presentations

Crichlow, K., (2006). Where was the Mas? A review of the carnival masquerade. Carnival Symposium of the Trinidad and Tobago Carnival Institute, Port of Spain.

Centre for Language Learning (CLL)

Conference Presentations

All four fulltime academics presented papers at the Schools of Education Biennial Cross Campus Conference in Education, April 23-26, (2007), as follows:

Carter, B., Re-conceptualizing the agenda for language education at the UWI: Languages for all.

Ibrahim Ali, A., The L2 learner's performance.

Kawecki, R. and Gea-Monera, M-P. The importance of learning foreign languages in Trinidad and Tobago.

Carter, B. and **Robertson, I.**, (2007). Talk yuh talk: Are Caribbean proverbs and sayings lost in translation?, 32nd Annual Caribbean Studies Association Conference, May 28- June 01. Salvador, Brazil.

FACULTY OF MEDICAL SCIENCES

Publications

Books & Chapters

Nayak, B.S., (2007). Manipal Textbook of Biochemistry for Dental students, CBS, New Delhi, India.

Nayak, B.S., (2007). Student Handbook of Biochemistry for Allied and Nursing students, Jaypee Medical Publishers, New Delhi, India.

Cooper, J.E. (2006). Dermatology. In Reptile Medicine and Surgery. Edited by D.R. Mader. 2nd edition. Saunders, Elsevier, Missouri, USA.

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Conference Presentations

The Dr. Eric Williams Memorial Collection Lecture Series was jointly sponsored by the UWI, St. Augustine and the University of Sheffield.

Odekunle, A. *Medical Education: The Hybrid PBL curriculum at the University of the West Indies St. Augustine Campus.* Summer Conference of the Anatomical Society of Great Britain and Ireland, University of Durham, July (2007)

McRae, A., Baboolal, N., Davis, G., Ramchandani, J. *Risk factors and Biomarkers in Alzheimer's disease in Trinidad and Tobago.* 3rd VAS COG Conference, San Antonio, Texas, July (2007)

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ANSA MCAL

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Iworo, A.D., Butler, D.R. and Eskes, A.B. (2006) Sources of resistance to Phytophthora pod rot at the International Cocoa Genebank, Trinidad. Genetic Resources & Crop Evolution Vol. 53, No. 1, pp. 99-109.

Sukha, D.A., Butler, D.R., Umaharan, P. and Boulton, E. (2007) The use of an optimised organoleptic assessment protocol to describe and quantify different flavour attributes of cocoa liquors made from Ghana and Trinitario beans. European Food Research and Technology. Volume 226, Number 3 / January, 2008. Published online at <http://dx.doi.org/10.1007/s00217-006-0551-2>

Zhang, D., Boccara, M., Mische, S., Motilal, L., Leamy, E. and **Butler, D.R.** (2007) Assessing genetic identity, sibship structure, and population admixture in an Upper Amazonian cacao germplasm group using microsatellite markers. Tree Genetics and Genomes (in press).

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Sukha, D.A. (2006). Organoleptic parameter results from Trinidad and Tobago. Presented at: Final workshop of the CFC/ICCO/INIAP Project to establish the physical, chemical and organoleptic parameters to establish the difference between fine and bulk cocoa. Guayaquil, Ecuador, 3 – 6 April

Sukha, D.A. Results from combined analyses of Organoleptic parameters in relation to project objectives. Presented at: Final workshop of the CFC/ICCO/INIAP Project to establish the physical, chemical and organoleptic parameters to establish the difference.

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Sukha, D.A., **Butler, D.R.**, Amores, F., Jiménez, J.C., Ramos, G., Gomez, A., Zambrano, A., Hollywood, N. and Ravushiro, J. (2006). The CFC/ICCO/INIAP cocoa project To establish the physical, chemical and organoleptic parameters to differentiate between fine and bulk cocoa – some highlights from the organoleptic component. Presented at the 15th ICRC, San José, Costa Rica, October

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Surujdeo-Maharaj, S., **Umaharan, P.** and **Butler, D.R.** Evidence of polygenic inheritance of resistance to witches' broom disease caused by *Moniliophthora perniciosa* in *T. cacao* L. Presented at the 5th INCOPEP International Seminar on Developing Effective Sustainable Crop Protection Systems for Cocoa Production, San Jose, Costa Rica, 15 – 17 October (2006).

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Johnson, E.S., Philips, W., **Bekele, F.L.** Zhang, D. and Schnell, R.J. (2006). Field guide to the UF clones of Costa Rica. Presented at the 15th ICRC, San José, Costa Rica, October

Motilal, L.A., Khan, N., Sukha, D.A., **Bekele, F.L.**, **Iwaro, A.D.**, Bidaisee, G.G., **Umaharan, P.**, Grierson, L.H. and Zhang, D. (2006). Assessment of cocoa (*Theobroma cacao* L.) bean traits for the identification of superior accessions for germplasm enhancement. Presented at the 15th ICRC, San José, Costa Rica, October

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Centre for Gender & Development Studies (CGDS)

Publications

Online Journal Articles

Reddock, R.E. (2007). Diversity, Difference and Caribbean Feminism, *Caribbean Review of Gender Studies*, No. 1

Mohammed, P.A. (2007). Gendering the Caribbean Picturesque. Open Access Online Journal, *Caribbean Review of Gender Studies*, Journal of the Centre for Gender and Development Studies, No 1, May. *Available online at <http://sta.uwi.edu/crgs/>

Hosein, G.A. (2007). Masculinities in Motion. Photo Essay in on-line journal *Caribbean Review of Gender Studies*, No. 1,

Chapters in Books

Reddock, R.E. (2006). Engendering Environmental Studies and Policies: A Case Study of the Nariva Swamp of Trinidad and Tobago in Thanh-Dam Truong, Saskia Wieringa and Amrita Chhachhi (eds.) *Engendering Human Security: Feminist Perspectives*, Zed Books, London and New York,

Mohammed P.A. (2007). The Plasticity of Gender in Social Policy Formulation in Engendering Human Security: Essays in Honour of Geertje Lycklama, Thanh-Dam Truong, Saskia Wieringa and Amrita Chhachhi, (Eds.). Zed Books Ltd, London and New York, pp. 277-296,

Refereed Articles and Book Reviews

Reddock, R.E. (2006). Reflections: An Interview with Peggy Antrobus in *Development and Change Forum*, Vol. 37, No. 6, pp. 1365-1377.

Reddock, R.E. Kevin Birth, (2007). Any Time is Trinidad Time: Social Meanings and Temporal Consciousness, for the journal, *Transforming Anthropology*, Vol. 15, No.2, pp. 177-178. October

Non-Refereed Publications/Output Documentary Film

Mohammed, P.A., Paddington, L. (2007) Documentary Film - The Sign of the Loa – Fifth segment of the Series A Different Imagination funded through an award from the Trinidad and Tobago Film Company in 2006 and extant funds available from Research and Publication Award of the University of the West Indies at St. Augustine. Director and Main Scriptwriter: Patricia Mohammed, Editor: Luke Paddington. 18 mins.

Mohammed, P.A., Paddington, L. (2007) *Engendering Change: Caribbean Configurations – Documentary* 40 mins. for Teaching and Outreach in Gender and Development Studies, Produced from Regional Training course in Gender Policy Interventions in the Caribbean held in March 06 in Trinidad. Producer and Co-Director: Patricia Mohammed, Editor/Co-Director: Luke Paddington 40 mins.

Hosein, G.A. Speak Out! - 10 minute music video/documentary, (2007)

Conference Presentations

Reddock, R.E. (2007). *Gender, Nation and the Dilemmas of Citizenship; The Case of the Marriage Acts of Trinidad and Tobago*, Caribbean Studies Association Annual Conference, Salvador de Bahia, May (Panel Presentation)

Reddock, R.E. (2006). *Women and the Development of the Caribbean Labour Movement*. Keynote Address, Caribbean Congress of Labour - 80th Anniversary Conference of the First Caribbean Labour Congress (1926), October

Reddock, R.E. (2006). *Brands, Bling and Hypersexuality: Globalisation and the Construction of Caribbean Masculinities and Femininities*. St. Vincent and the Grenadines, Annual Independence Lecture (Public Lecture), October.

Reddock, R.E. (2007). *Leading in a Male Dominated Environment*. Panel Presentation, Arthur Lok Jack Graduate School of Business, March

Reddock, R.E. (2006). *Women Traders in the Informal Sector of the Caribbean*. Presentation to ACP-EU Parliamentary Forum, Bridgetown, Barbados - November (Plenary Presentation)

Mohammed P.A. (2007). *Preparing Women for the 21st Century*. International Women's Day, Department of Social Welfare, Social Services Division, Tobago House of Assembly, March.

Mohammed P.A. (2006). *Society: The Largest Classroom*. Conference on Education and Development for Presidents and Governor Generals of the Caribbean, Hilton Hotel, Trinidad, October.

Mohammed P.A. (2007). *The Sign of the Loa*, (documentary film) presented at 31st Annual Conference of the Caribbean Studies Association, Hotel Tropical de Bahia, Salvador de Bahia, Brazil, May - June (Panel Presentation)

Mohammed P.A. (2007). *'Woman is boss': Overturning Gender Stereotypes in the Caribbean*. Panel presentation in Women in Leadership Conference, Arthur Lok Jack School of Business, University of the West Indies, St. Augustine, Mount Hope, Trinidad, May

Mohammed P.A. (2007) *Of Poteau Mitans, Bedis, Veves and Things: Caribbean Island Identities and Cultural Production*. Inter-regional experts meeting Islands as Crossroads: Cultural Diversities, Identities and Industries in Small Island Developing States, hosted by the United Nations Educational, Scientific and Cultural Organization (UNESCO), in collaboration with the Government of the Republic of Seychelles, Mahé, The Republic of the Seychelles, April

Mohammed P.A. (2007). *Race, Nation and Diasporas*. Thursday Afternoon Forum Series, Caribbean Center for Race and Gender, Barrows Hall, University of California at Berkeley. Joint seminar presentation with Professor Jocelyne Guilbault, March.

Mohammed P.A. (2007). *Adding Women and Stirring: Issues in Gender and Parliamentary Representation in the Caribbean*. First Annual Commonwealth Caribbean Workshop, Department of Behavioural Sciences, Faculty of Social Sciences, University of the West Indies, St. Augustine, January.

Mohammed P.A. (2007). *Integrating Men's Studies into Curricula*. Panel Presentation on Approaching Men's Studies in a Gender Studies Context: Cross Cultural Initiatives, CGDS/SJU/CSB Joint Workshop, UWI, St. Augustine, January.

Hosein G.J. (2007). *Sex, Lies and Videotape: Mainstreaming Pornography in the Caribbean*. Caribbean Studies Association Annual Conference, Brazil, May-June

Hosein G.J. (2007). *Imagined Spiritualities: Identity and Participation in 'Indian Mas' in Trinidad*. Caribbean Studies Association Conference, Brazil, May- June

McFee D.N. (2006). *Gender Sensitive Provisioning for Entrepreneurial Development in Trinidad & Tobago*. Women in Business Conference, Crowne Plaza Hotel, November

Health Economics Unit (HEU)

Conference Presentations

"Priorities for Research Agenda on the Economic Implications for Health and HIV/AIDS." (2007). PANCAP Technical Working Group on Improving Social Statistics and Policy Research with special reference to HIV/AIDS. Antigua and Barbuda, January

"HIV/AIDS in the Caribbean: Understanding the Economic Impact." (2007). Inter-American Economic Council Caribbean Summit on HIV/AIDS entitled, "The Economic Impact of HIV/AIDS on the Caribbean." St. Croix, US Virgin Islands, January

"Household Behaviour and Income Deficiency." (2006) Demas Rampersad Series hosted by the Department of Economics. November

"National Health Insurance System: A Health Financing Option." (2006). Three-Day Symposium for Health Sector Workers under the Theme "The Delivery of Quality Health Care in Trinidad and Tobago – Challenges, Perspectives, Redefining the Way Forward" hosted by the Public Service Association (PSA) of Trinidad and Tobago. November.

"HIV/AIDS in the Caribbean: The Costs and Benefits." (2006). Conference hosted by the Sustainable Economic Development Unit (SEDU). October

"Cost and Benefits of HIV/AIDS Response Programmes." (2006). Conference hosted by the Department of Behavioural Sciences. October

Institute of International Relations (IIR) Publications

Ramsaran, R. *Inequality and the Division of Gains at the Global Level: Some Reflections, in Globalisation and Governance* (MacFarland) edited by Dr. Ann-Marie Bissessar.

Rigobert, G. (2006). The continuing relevance of structuralism in assessing prospects for Caribbean development in the new techno-economic paradigm. In World Sustainable Development Outlook Global and Local Resources in Achieving Sustainable Development. Edited by Allam Ahmed. SPRU – University of Sussex, UK

Journals

Brathwaite, T. and Dwarika-Bhagat, N. (2007). Whither our thoughts? A decade of a scholarly academic publishing by the librarians of UWI St. Augustine Libraries. Caribbean Libraries in the 21st Century. Cheryl Peltier-Davis and Shamin Renwick, eds. USA: Information Today.

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Girvan, N. (2006). Caribbean Dependency Thought Revisited, *Canadian Journal of International Studies*, Vol. XXVII, No. 3, pp. 327-350.

Girvan, N. (2006). Production Integration: A Critical Perspective, in Dennis Benn and Kenneth Hall, eds., *Production Integration in CARICOM: From Theory to Action*. Kingston: Ian Randle Publishers,; pp. 8-29.

Lewis, V., (2006) The Changing Environment of OECS International Economic Relations and Some External Policy Implications, in K.Hall and M.Chuck-A-Sang eds., *The Integrationist: Survival and Sovereignty in the Caribbean Community*, Ian Randle Publishers, Jamaica, pp.36-49

Lewis, V., (2006), Small State Development and Contemporary International Relations: Caribbean Adjustment in the Current Global Re-adjustment, in Ramesh Ramasaran ed., *Size, Power and Development in The Emerging World Order: Caribbean Perspectives*, Lexicon Press Trinidad Ltd, Trinidad & Tobago, pp.48-65

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Lewis, V., (2006), The CSME: Status, Issue and Priorities: Concluding Observations in ForoINTAL (Inter-American Development Bank)

Lewis, V., (2006). Perspectives on the Evolution of 21st Century International Relations, *Journal of Caribbean International Relations*, No.2, October, pp.142-148.

Conference Presentations

Escalante, R. (with Henry Paul), (2006). *E-reporting*. International Conference of Governance, Institutions, and Networks, October

Girvan, N., (2007). *Report: Towards a Single Economy and a Single Development Vision*, for the Caricom Secretariat, 18th Intersessional Heads of Government Meeting of the Caribbean Community, St Vincent, February.

Lewis, V., (2006). *Basis for the Desirability of a More Democratic International System*. Paper prepared as a contribution to a Working Paper for a Preparatory Meeting of the Rio Group, November.

Lewis, V., (2006). *Redefining Subregional Security in the in the Eastern Caribbean: The Grenada Revolution and All That*. Public Lecture Sponsored by the Barbados Museum and Historical Society and the Department of History, University of the West Indies. Cave, Hill, Barbados, June 6, the mimeo 20pp.

Lewis, V., (2007), *Caribbean Perspectives on the International Relations of the New Millennium Public*. Lecture Given at Diplomatic Week (2007), Ministry of Foreign Affairs, St Kitts and Nevis, February mimeo 10pp.

Lewis, V., (2007). *Towards Decisions on Cohesion*. Presentation to a Joint Meeting of the Caricom Prime Ministerial Sub-Committee on External Relations and the Prime Ministerial Committee on the Single Market and Economy, Montego Bay, February, mimeo.10pp.

Nurse, K., (2007) *Creative Industries and Caribbean Development and Cultural Tourism in the Caribbean*. Havana, Cuba, February,

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Baksh-Comeau, Y.S., Maharaj, S.S., Comeau P.L. and Ramlal, B. (2007). Plant Diversity in the South-west Peninsula: Past, Present and Future in Aluminium Smelting: Environmental and Engineering Perspective edited by Kahare, M (in press), Ian Randle Publishers.

Conference Presentations

Badrie, N. and Baksh-Comeau, Y. (2007). *Towards starting up a Sustainable Medicinal Plant Industry in Trinidad & Tobago*. 27th West Indies Agricultural Economics Conference/8th Meeting of Asociacion de Latino-America y del Caribe de Economistas Agricolas (ALACEA) Belize City, Belize. July

Sir Arthur Lewis Institute of Social & Economic Studies (SALISES)

Publications

Watson, P. and Sookram, S. (with A. Maurin) (2006). Measuring the size of the hidden economy in Trinidad & Tobago, 1973-1999. *International Economic Journal*. Vol. 20, No. 3, pp. 321-341.

Technical Reports

St Bernard, G. Social Outcomes and Characteristics of Youth in Trinidad and Tobago – An Analysis of the 2000 Population and Housing Census. Client: United Nations ECLAC Sub-Regional Office, Port of Spain, Trinidad and Tobago. 112 pages.

Watson, P. (2007). Data Ownership and Data Sharing Within the CARICOM Sub-Region. Paper prepared for Expert Group Meeting on Data Sharing, Data Ownership and Harmonization of Survey Datasets. Port of Spain, Trinidad. June, 25 pages.

Watson, P. Study of the Distribution (Retail and Wholesale) Industry of the Bahamas, Barbados, the Cayman Islands and Jamaica. Client: First Caribbean International Bank. 69 pages.

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Papers accepted for publication

McCree, R. Modern Sport, Middle Classes and Globalization in the Post-War Caribbean 1945-1952: Variations on a Theme. *International Journal of the History of Sport*. 2008.

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St. Bernard, G. Exploring Childhood Victimization in Trinidad and Tobago – An Analysis of Homicidal Cases in Promoting Child rights. In *Selected Proceedings of the Caribbean Child Research Conference* edited by Aldrie Henry-Lee and Julie Meeks-Gardner. Kingston, Jamaica: SALISES, UWI, Mona. Due Feb 2008.

Watson, P. (with G. Saridakis) The Effect of Economic Factors on the Tax Ratio in Trinidad and Tobago. *Journal of Developing Areas*. Vol. 42, No. 1, Fall 2008.

Watson, P. (with K. Roopnarine and S. Seuraj) Toward the enhancement of derivatives trading in the CARICOM sub region. *Social and Economic Studies*. Vol. 56, No. 3.

Watson, P. and Sookram, S. (with F. Schneider) Characteristics of households in the informal sector of an emerging economy. *Applied Economics*.

Watson, P. and Sookram, S. Small Business Participation in the Informal Sector of an Emerging Economy. *Journal of Development Studies*.

Seismic Research Unit (SRU)

Publications

Sylvester, M.A. (2007). The globalization of higher education. Assessing the response of the University of the West Indies. In *Schooling and Education in Global Societies*. Eds. Carol Camp Yeakey, Rodney Hopson and Francis Musa Boakari. Yeakey's book series *Advances in Education in Diverse Communities: Research, Policy and Praxis*. Elsevier, Inc.

Trofimovs, J., L. Amy, G. Boudon, C. Deplus, E. Doyle, **N. Fournier**, M.M.B. Hart, J.C. Komorowski, A. Le Friant, E. Lock, C. Pudsey, G. Ryan, R.S.J. Sparks and P.J. Talling. (2006) Submarine pyroclastic deposits formed at the Soufrière Hills Volcano, Montserrat (1995-2003): what happens when pyroclastic flows enter the ocean? *Geology*, Vol. 34, No. 7, pp. 549-552.

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Conference Presentations

Edwards, S. (2006) *Volcanic Hazard Atlas of the Lesser Antilles – Multimedia Version*. International Geoscience Education Organisation GeoSciEd VBayreuth, Germany, September

Trofimovs J, Amy L, Boudon G, Deplus C, Doyle E, **Fournier, N.**, Ryan, G. and Strutt, M. (2007): *Volcano relaxation following great dome collapses: impact on magma volume retrievals from geodetic monitoring at Soufriere Hills Volcano, Montserrat, West Indies. AGU Joint Assembly, Acapulco, Mexico.*

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Moreau-Fournier, M., **Fournier, N. and Robertson, R.** (2007): *Geophysical Investigations of Soufriere Volcano Crater, St Vincent, West Indies: Where is the Lake?* AGU Joint Assembly, Acapulco, Mexico.

Witham, F. and **Fournier, N.** (2007): *Understanding the weird behaviour of Dominica's Boiling Lake*. VMSG Winter Meeting, Oxford, UK. Poster

Hautmann, S., **Fournier, N.**, Gottsmann, J. and Sparks, S. (2006): *Mass and density changes associated with the ongoing eruption of Soufrière Hills volcano, Montserrat (W.I.) via a new joint elevation and microgravity network*. AGU Fall-meeting, San Francisco, USA. Poster

Latchman, J. L., Robertson, R.E.A., Lynch, L. (2007): *Recent onland, Trinidad earthquakes and their implications*. 4th Geological Conference & Exhibition, Geological Society of Trinidad and Tobago, June, Hilton Hotel.

Latchman, J. (2007): *Hydrological effects of the 1997/04/22 Tobago earthquake*. 4th Geological Conference & Exhibition, Geological Society of Trinidad and Tobago, June, Hilton Hotel.

Latchman, J. (2007): *Temporal changes in the cumulative piece-wise gradient of a variant of the Gutenberg-Richter relationship, and the imminence of extreme events*. European Geosciences Union General Assembly, April, (2007), Vienna, Austria. Poster.

Mohais A., **Mohais, R.**, Ward, C. and Posthoff, C. (2007) *Earthquake Classifying Neural Networks Trained with Random Dynamic Neighborhood PSOs*. Proceedings of the 9th Annual Conference on Genetic and Evolutionary Computation, London, England, pp. 110 - 117, ISBN: 978-1-59593-697-4.

Mohais, R. (2006): *Heat Transfer within a Fluid Filled Deformable Permeable Spherical Shell in Slow Viscous Flow*. , EOS Trans. American Geophysical Union, Vol. 87, No. 52, Fall Meet. Suppl., Abstract #H33D-1544. Poster

Mohais, A. and **Mohais, R.** (2006): *Possible Origins of the 'free T phase' Seismic Signals Generated by the Kick'em Jenny Volcano*. EOS Trans. American Geophysical Union, Vol. 87, No. 52, Fall Meet. Suppl., Abstract #V23B-0618. Poster

Crosweiler, S., Barclay, J., Simmons, P., **Robertson, R.** (2006): *Eruption without historical precedent: Mental models of volcanic hazards in the absence of direct experience in Dominica, West Indies*. Managing Volcanic Crises: Effective Integration of Science, Policy and Practise, The UCL Johnston-Lavis Conference (2006), University College London, April-September (2006). Poster.

Robertson, R. (2006): *The preparation of a Volcanic Hazard Atlas for the Lesser Antilles*. Invited talk given at Science and Policy Interfaces for Disaster Reduction Network Workshop, School of Environmental Sciences, University of East Anglia, September (2006).

Robertson, R. (2006): *Volcanoes, tsunamis and earthquakes in the Caribbean - The Work of the Seismic Research Unit*. Invited talk given at the BA Festival of Science Workshop on Clear and present danger, School of Environmental Sciences, University of East Anglia, September (2006).

Lowe, C., Haklay, M., McGuire, B. and **Robertson, R.** (2006): *Mapping Vulnerability, Exposure and risk to Volcanic Hazards with GIS: A study of St. Vincent, West Indies*. Managing Volcanic Crises: Effective Integration of Science, Policy and Practise, The UCL Johnston-Lavis Conference (2006), School of Environmental Sciences, University of East Anglia, September (2006). Poster.

Roberts, J., Solana, M.C. and **Robertson, R.** (2006): *Reducing Vulnerability in Islands: The Case of Dominica*. Managing Volcanic Crises: Effective Integration of Science, Policy and Practise, The UCL Johnston-Lavis Conference (2006), School of Environmental Sciences, University of East Anglia, September (2006). Poster

Sustainable Economic Development Unit (SEDU)

Conference Presentations

Attzs, M., (2007) *Coastal Resources and Sustainable Economic Development in Caribbean SIDS: an overview.* UNESCO Second Meeting on the Social and Human Sciences SIDS Strategy for the Caribbean, May

Attzs, M., (2007), *Natural Disasters and Remittances: Exploring the Linkages Between Poverty, Gender and Disaster Vulnerability in Caribbean SIDS.* United Nations University/WIDER Conference on Fragile States - Fragile Groups Helsinki, Finland, June

Attzs, M., (2007). *Implications of Climate Change for the Sustainable Development of the Caribbean Tourism Industry.* Department of Economics (Mona) Conference on Climate Change Impacts on the Caribbean, with special attention to Tourism and Insurance. Presentation delivered by Jason Alexander, Graduate Teaching Assistant, Department of Economics, St. Augustine, June

Attzs, M., (2007). *The role of the Diaspora in Caribbean Economic Development.* Conference on the Caribbean: A 20/20 Vision, Washington, D.C., June

Attzs, M., (2007). *This Business of Climate Change: Threats and opportunities to Caribbean Business.* Caribbean Association of Industry and Commerce Annual Conference, Port of Spain, Trinidad, June

Pantin, D., (2006) *Contribution of John Cropper to SEDU.* SEDU Conference, St Augustine Campus, October

Pantin, D., (2006) *Valuation of watersheds in the Caribbean.* Caribbean Environmental Health Institute (CEHI) Workshop, St. Lucia September

Pantin, D., (2006). *Contribution of Water Tariffs to Water Markets for Watershed Protection in the Caribbean.* Organisation of Caribbean Utility Regulators Annual Conference. November

Pantin, D., (2007) *Employment Prospects after Hydrocarbon Boom.* Conference on the Economy (COTE) (2007), St. Augustine Campus, April

connecting

This year we have chosen the theme of "Connecting" to symbolise the direct nature of the relationships The University is developing with our partners and stakeholders.

The close up imagery of hands used throughout represents the intimate nature of those connections, our relentless pursuit of excellence in the realm of ideas, and our commitment translate those ideas into positive actions that touch the communities we serve.