

SPEAKER BIOS



Dr. Osman Ahmed, Head, Global Research and Innovation
Siemens Building Technologies, Inc.

Dr. Osman Ahmed currently focuses on leading innovation for Building Performance and Sustainability Business Line. Most recently, he served as the Head, Siemens Center of Excellence for Smart Buildings in Masdar City, UAE. Previously, he headed the Global Research and Innovation Organization at the Building Technologies Division.

He has been with Siemens for about 25 years and served as a visionary leader, corporate entrepreneur, successful strategic innovator, expert, and experienced technology and research manager. His experience includes leadership in:

- Systematically identifying, assessing, forecasting, pre-developing, and integrating technology for business units.
- Commercializing breakthrough and high-value ideas by aligning business needs, technology development, and innovation.
- Accelerating innovation pace through global collaboration network, open innovation and living laboratory platform.

For last 5 years, he has successfully launched a global strategic partnership program in pursuing collaboration with partners around the globe on smart cities, smart consumptions, Smart Grid, and Smart-building environment. He was the founding-architect of Masdar City (www.masdar.ae), (world's first carbon neutral city of 50000 people in UAE) - Siemens BT partnership agreement on Smart Grid Smart Building (SGSB), Smart Cities, and Smart Consumption. He spearheaded the partnership agreement with Masdar City, and created and implemented investment, research, and innovation models.

He has been engaged in establishing an open innovation network model around the globe, specifically with the research and educational institutions, in order to increase innovation capacity for the company while accelerating the pace of innovation in the areas of building energy, environment, and sustainability.

He has published/presented more than 85+ technical papers worldwide. He has 85+ patents, awarded and pending combined, covering a wide variety of subjects including artificial intelligence, software modeling, control and automation, Microsystems, and energy and building performance. A two-time technical achievement award winner within the SBT, Dr. Ahmed also is the recipient of 2004 prestigious "Siemens Inventor of the Year" award for his work on micro-system application for buildings. His work on Microsystems has been given broad coverage in media.

Recently, Dr. Ahmed invented “Building as a Tree” concept- applying artificial photosynthesis on a nano-structure to a building envelope to harvest energy from ambient CO₂ and release O₂ in atmosphere. He has been selected as one of the most creative minds within the entire Siemens organization and his work has been included in a Siemens published book on invention.

He speaks around the globe and interacts with high-profile customers on various topics such as future of building systems, Microsystems, technology and innovation management, and lately, building energy, environment, sustainability, and bio-mimicry. He has received his Ph.D. degree in Mechanical Engineering from the University of Wisconsin- Madison and is a registered professional engineer in the State of Illinois. He authored chapters on future vision of sensing and buildings in printed book and online journal, respectively.



Dr. Lida Anestidou, Senior Program Officer, Institute for Laboratory Animal Research
The National Academies

As Senior Program Officer, Dr. Lida Anestidou directs a diverse portfolio of studies on the use of laboratory animals and animal models; on research with dual use potential and biosecurity; and responsible science/research integrity. Prior to this position she was faculty at the Center for Biomedical Ethics and Society, Vanderbilt University Medical Center. She earned her doctorate in biomedical sciences from the University of Texas at Houston. Working with physiologist Norman Weisbrodt, she explored the effects of nitric oxide on the motility of the gastrointestinal musculature. Working with research integrity expert and biomedical ethics educator Elizabeth Heitman, she concurrently pursued her interests in biomedical ethics, scientific integrity and science policy. Dr. Anestidou also holds a Doctor of Veterinary Medicine degree from Greece (her home country) and an M.S. in Veterinary Sciences from the University of Florida. She is an editorial board member of *Science and Engineering Ethics*, *Lab Animal*, and *SciTech Lawyer* and an ad hoc reviewer for the *American Journal of Bioethics*. She is a member of the National Conference of Lawyers and Scientists. Dr. Anestidou serves as an expert reviewer in the Ethics Evaluation of grant applications to the 7th Framework Program of the European Research Council and the European Commission Directorate General Research.



Dr. Robert Bertram, Director, Office of Agricultural Research and Policy in Technology

U.S. Agency for International Development

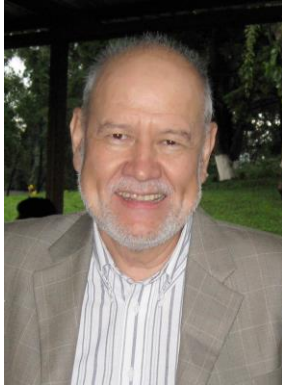
Rob Bertram is the Director of USAID's Office of Agriculture, Research and Policy in Technology. He has been with USAID for more than 20 years, and comes from a plant breeding and genetics background, with degrees from UC Davis, the University of Minnesota and the University of Maryland. His doctoral work focused on molecular techniques in assessing plant genetic resources and evolution in the genus which includes cassava. His work includes building stronger research ties between the US research community (especially universities and USDA) and the international centers, and research partners in Europe and Japan. He has been active for many years in plant genetic resources policy, having served on the CGIAR Genetic Resources Policy Committee and as a technical advisor during the negotiation of the International Treaty on Plant Genetic Resources. He chaired the FAO Commission on Genetic Resources for Food and Agriculture from 2002 to 2004.



Dr. Mathew Burrows, Counselor

National Intelligence Council, Office of the Director of National Intelligence

Mathew Burrows was appointed counselor to the National Intelligence Council (NIC) in 2007 and director of the council's Analysis and Production Staff (APS) in 2010. He was the principal drafter of the NIC publication "Global Trends 2025: A Transformed World" and its latest edition—Global Trends 2030: Alternative Worlds. In 2005, he was asked to set up and direct the NIC's new Long Range Analysis Unit. Burrows joined the CIA in 1986, where he served as analyst for the Directorate of Intelligence, covering Western Europe, including the development of European institutions such as the European Union. In 1998-1999 he was the first holder of the Intelligence Community Fellowship and served at the Council on Foreign Relations in New York. Other previous positions included assignments as special assistant to the U.N. Ambassador Richard Holbrooke in 1999-2001 and deputy national security adviser to U.S. Treasury Secretary Paul O'Neill in 2001-2002. Burrows graduated from Wesleyan University and received a Ph.D. in European history from Cambridge University.



**Dr. Benjamin Caballero, Professor of International Health, Bloomberg School of Public Health and Professor of Pediatrics, School of Medicine
Johns Hopkins University**

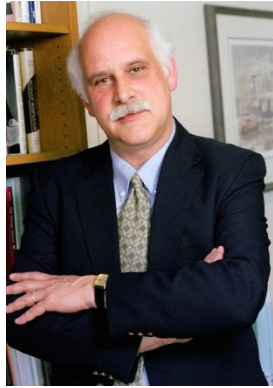
Dr. Caballero is Professor of International Health at the Bloomberg School of Public Health, and Professor of Pediatrics at the School of Medicine, Johns Hopkins University. He is the Director of the Johns Hopkins Global Center on Childhood Obesity, an international research and training center aimed at reducing the burden of obesity worldwide.

He has over 20 years of experience as a scholar, researcher and leader in the area of child health and nutrition. He obtained his MD from the University of Buenos Aires and his PhD (in neuroendocrine regulation) from MIT. He started his career as assistant professor of pediatrics at Harvard Medical School and director of the Nutrition Unit of Boston Children's Hospital, and moved to Johns Hopkins in 1990 to found the Center for Human Nutrition.

Dr. Caballero is a recognized expert on the nutritional needs of children and adults and on nutrient requirements in undernourished populations. For the past 15 years, he has focused on the problem of childhood obesity in the US and in developing countries, and explored the impact of dietary transition and globalization on health indicators. He is an active participant in key domestic and international scientific committees related to diet and health, including the Dietary Reference Intakes (DRI) Committee, the Expert Panel on Macronutrient Requirements, and the Food and Nutrition Board of the Institute of Medicine, National Academy of Sciences. He was a member of the Dietary Guidelines for Americans Advisory Committee, and of the Scientific Advisory Board of the Food and Drug Administration (FDA), and is currently on the board of directors of the International Life Sciences Institute (ILSI) in Washington, the Nevin Scrimshaw International Nutrition Foundation (INF) in Boston, and the Nestle Foundation in Lausanne, Switzerland.

Dr. Caballero is the author of over 200 scientific publications. He is the Editor-in-Chief of the *Encyclopedia of Food Sciences and Nutrition*, a 10-volume work on food production, consumption and biological effects. He is also Editor-in-Chief of the *Encyclopedia of Human Nutrition*, which received the Book of the Year Award from the British Medical Association. His *Guide to Dietary Supplements* summarizes the current scientific basis for the use of mineral and vitamin supplements. His book *The Nutrition Transition: Diet and Disease in the Developing World* explored the impact of demographic and economic development on diet- and lifestyle-related diseases in developing countries. His book *Obesity in China* summarizes research conducted in rural and urban China to track the impact of socioeconomic development on health outcomes. He is also co-editor of a widely used textbook on human nutrition, *Modern Nutrition in Health and Disease*,

currently in its 11th edition. Recent awards include the Ancel Keys Prize for achievements in international public health and the Thompson-Beaudette Lectureship from Rutgers University. In 2011 he was elected to the Spanish Academy of Nutritional Sciences.



Dr. John Carfora, Associate Provost for Research Advancement and Compliance

Loyola Marymount University

Dr. Carfora holds graduate degrees from a number of universities, including The London School of Economics, Harvard University, and a doctorate from Teachers College, Columbia University. A recipient of several international research awards, John has lectured throughout the USA, Europe, Canada and Africa. He was a Fulbright Scholar to Ireland, an IREX Fellow to Russia, and recipient of the Distinguished Service Award from the National Council of University Research Administrators.

Dr. Carfora has been a tenured professor of economics, research scholar, and an international consultant with clients such as American Airlines, Disney and *U.S. News and World Report*. He served as Director of International Education at the Russian Academy of Management, and was founding Curator of the Sir Leonard Schapiro Collection at the British Library of Political and Economic Sciences. John is also a bioethicist and Certified Compliance and Ethics Professional (CCEP).

Dr. Carfora is a member of the Board of the Higher Education Teaching and Learning Association, Senior Advisor to the Fulbright Association, and serves on the Board of the National Organization of Research Development Professionals. John is a former member of the Board of the Alumni and Friends of The London School of Economics (1982-1990).

Dr. Carfora co-authored *The Art of Funding and Implementing Ideas: A Guide to Proposal Development and Project Management* (Sage, 2011), and wrote the Foreword to *Universitas: The Social Restructuring of Higher Education in America*. He co-authored a popular article on the New Deal economist Stuart Chase (*Harvard Magazine*, 2004), and is writing a book on *Leadership, Decision-Making and the Academic Presidency*.



Dr. James Casey, Interim Director of Pre-Award Services

University of North Carolina at Chapel Hill

James Casey is Interim Director of Preaward Services at The University of North Carolina at Chapel Hill. In his present position he directs preaward proposal and contract activities for all units at UNC-CH with the exception of the Medical School. Earlier in his career he

worked at Northwestern University and the University of Wisconsin-Madison. He has been involved in international research administration for the past nineteen years, including the negotiation of numerous agreements and the active management of international projects. In 2007-08 he was a Visiting Professor of Leadership at the Upper Iowa University campus in Hong Kong, China, and has given research administration presentations in twelve foreign countries. He is a member of the Interim Executive Committee (IEC) for the AAAS BMENA Bioscience Forum, currently under development.

A research manager for the past nineteen years and a member of the Wisconsin Bar since 1990, Jim was one of the founding members of the GUIRR “I-Group” project in 2008. From 2009-2011 he was co-Chair of the project. Jim is a member of the National Council of University Research Administrators (NCURA) Board of Directors and is a past member of the Executive Board for the University-Industry Demonstration Partnership (UIDP), a project under the GUIRR umbrella. In addition to his J.D. from the University of Dayton School of Law, he holds bachelor’s and master’s degrees in political science and a master’s degree in international affairs. He is a member of the American Association for the Advancement of Science, American Bar Association, and State Bar of Wisconsin.



Dr. Derrick L. Cogburn, Associate Professor, School of International Service and Executive Director, COTELCO/IDPP
American University

Dr. Derrick L. Cogburn is Associate Professor in the School of International Service at American University, and Executive Director of COTELCO: The Collaboration Laboratory and its Institute on Disability and Public Policy. He is editor of the Palgrave Macmillan book series *Information Technology and Global Governance*, and serves on editorial boards for *Journal of Information Technology and Politics*, *Review of Policy Research*, and *Journal of Political Science Education*. He is Chair of the Review Panel for the American Academy for the Advancement of Science (AAAS), Diplomacy, Security, and Development, Science Technology Policy Fellowships. He is also a member of the High-Level Panel of Advisors for the UN Global Alliance for Information and Communication Technologies and Development. Dr. Cogburn has been Principle Investigator on grants from the National Science Foundation and the Committee of Visitors for the Office of Cyberinfrastructure. At Syracuse University, he was faculty in the School of Information Studies and Senior Research Associate in the Moynihan Institute at the Maxwell School. He is past president of the Information, Technology, and Politics section of the American Political Science Association and of the International Communication section of the International Studies Association. He served as Executive Director of the Global Information Infrastructure Commission-Africa and Vice Chair of the Global Internet Governance Academic Network. He holds a PhD in political science from Howard University, where he was a W.K. Kellogg doctoral fellow at the Ralph J. Bunche International Affairs Center.



Prof. Ames Dhai, Director, Steve Biko Centre for Bioethics

University of Witwatersrand

Professor Dhai is the Director of the Steve Biko Centre for Bioethics at the Faculty of Health Sciences, University of the Witwatersrand, which she established in 2007. The Centre is recognised as the lead Centre in Bioethics, Human Rights and Health Law on the continent and has local and international recognition. She started off her career as a medical doctor, specialised in Obstetrics and Gynaecology, and then went on to graduate with a Masters in Law and Ethics. She heads the only Masters and PHD programs in Bioethics and Health Law on the continent and is an ethicist of international standing who can be credited with entrenching bioethics as an integral aspect of health sciences in SA. She serves regularly as a consultant/ expert advisor for the World Health Organisation and is on the WHO's African Advisory Committee for Health Research. She serves on several national policy making bodies and is Deputy Chair of the National Health Research Ethics Council since 2006, Chair of the Hospice Palliative Care Association of SA Research Ethics Committee and co-chair of the Wits Human Research Ethic Committee (Medical) amongst others. She is currently the President of the Gauteng Branch of the South African Medical Association (SAMA) and is President-Elect of the National SAMA.

She is editor-in-chief of the South African Journal of Bioethics and Law; a Department of Education accredited journal and the first such journal in the country. Together with a colleague, she produced the 1st textbook in Bioethics, Human Rights and Health Law specific to the South African context for health sciences and law students and practitioners. She has over 75 publications in peer reviewed journals in the fields of Bioethics, Human Rights and Health Law. Professor Dhai has received several special recognition awards and certificates including the South African Medical Association (SAMA) Human Rights and Health Gender Acclaim Award for outstanding contributions(2012), the SAMA NAMDA Doctors Certificate Award in honour of patriotism, courage and contributions made in the struggle for the liberation of the Medical Profession (2012), the Academy of Sciences of SA (ASSAf) Certificate of Recognition for serving as a member on the Clinical Research Study Panel from 2007 – 2009, the results of which influenced an increase in the research budget from the Department of Health, the 2011 Health Professions Council of SA Certificate of Service for outstanding service rendered as member of the Medical and Dental Professions Board from 13 February 2004, the Joe Veriava Medal in Bioethics, University of the Witwatersrand (2009), the Dean's Merit Award for outstanding performance, University of the Witwatersrand (2009), and Top Student Award in the Post Graduate Diploma in International Research Ethics, University of Cape Town (2004).



Ms. Mary Jordan, Senior Technical Advisor for Public-Private Partnerships, Office of HIV/AIDS
U.S. Agency for International Development

Mary Jordan currently serves as a Senior Technical Adviser for Public Partnerships in the Office of HIV/AIDS, United States Agency for International Development. In this capacity Ms. Jordan creates entry points for businesses to partner within identified gaps of public programs and strengthens both public and

private sectors.

As the cornerstone of her career, Ms. Jordan worked for more than 20 years in the pharmaceutical industry. Ms. Jordan served as a Brookings Institution Legislative Fellow for management executives. As part of this program, she served on Capitol Hill as a senior healthcare policy adviser to the Chairman of the United States Senate Health, Education, Labor and Pensions Committee.



Ms. Katie Kalinowski, Senior Program Associate
The National Academies

Katie Kalinowski is a project manager for the Government-University-Industry Research Roundtable (GUIRR) and University-Industry Demonstration Partnership (UIDP) at The National Academies. Prior to joining the Academies in 2012, Katie analyzed green power and climate change issues for the Renewable Northwest Project and she facilitated the National Wind Coordinating Collaborative, a national forum on wind power development, at RESOLVE. She served as a U.S. Peace Corps

volunteer in Macedonia from 2009-2011. Katie holds a master's degree in Economics from North Carolina State University, a B.S. in Natural Resources from the University of Nebraska-Lincoln, and is a certified Project Management Professional (PMP).



Dr. Frederick Leong, Professor of Psychology and Psychiatry and Director, Consortium for Multicultural Psychology Research
Michigan State University

Frederick Leong is Professor of Psychology and Psychiatry at Michigan State University. He is a faculty member in the Organizational and Clinical Psychology programs. He is also the Director of the Consortium for Multicultural Psychology Research at MSU. He has authored or co-authored over 240 journal articles and book chapters and also edited or co-edited 14 books. He is Editor-in-

Chief of the *Encyclopedia of Counseling* (Sage Publications) and the *APA Handbook of Multicultural Psychology* (APA Books), and also Editor of the Division 45 Book Series on Cultural, Racial and Ethnic Psychology. He is the Founding Editor of the *Asian American Journal of Psychology* (2010-2014) and Associate Editor of the *American Psychologist* (2012-2014). Dr. Leong is a Fellow of the American Psychological Association (Divisions 1, 2, 5, 12, 17, 29, 45, 52), the Association for Psychological Science, the Asian American Psychological Association and the International Academy for Intercultural Research.

His major research interests center around cross-cultural psychopathology and psychotherapy (especially with Asians and Asian Americans), cultural and personality factors related to career choice, work adjustment, and occupational stress. He is Past President of APA's Division 45 (Society for the Psychological Study of Ethnic Minority Issues), the Asian American Psychological Association, and Division 12 Section VI (Clinical Psychology of Ethnic Minorities) of APA. He was the founding President of the Division of Counseling Psychology in the International Association of Applied Psychology. He is also a member of the Executive Council of the International Test Commission. He received the APA Award for Distinguished Contributions to the International Advancement of Psychology as well as the Stanley Sue Award for Distinguished Contributions to Diversity in Clinical Psychology from APA's Division 12. He is also the recipient of the APA Division 45 Distinguished Contributions to Research Award, the Division 17 International Section's Lifetime Achievement Award, the APA Minority Fellowship Program's Dalmas Taylor Distinguished Contributions Award, and the APAGS Kenneth and Mamie Clark Award for outstanding contributions to the professional development of ethnic minority graduate students.



Dr. Barbara Mittleman, Vice President, Clinical and Head, Immunology
Nodality Inc.

Dr. Barbara B. Mittleman is VP, Clinical and Head, Immunology at Nodality, Inc., a South San Francisco biotechnology company focused on multi-parametric flow cytometry for diagnosis and drug development support. Before joining Nodality, Dr. Mittleman served as Director of the Public-Private Partnership Program at the NIH, developing an agency-wide approach to partnering with public, private, advocacy and other organizations to meet NIH's biomedical research mission. In this role she interacted with U.S. and global organization in the pharmaceutical, biotechnology, diagnostics, IT, electronics, and other industries; patient and public advocacy groups, and U.S. and other governmental agencies, in the development of policy, negotiation of partnerships, and implementation of programs and activities. Dr. Mittleman is trained as a rheumatologist and cellular immunologist, receiving a B.A and M.D. as well as residency and fellowship training at the University of Pittsburgh. She then came to NIH in 1991 for post-doctoral training in cellular immunology. Her research efforts have included work on the cellular immune

mechanisms of murine and human SLE and pediatric post-streptococcal neuropsychiatric disease; health disparities in the rheumatic diseases; and principles and structures of cross-sectoral partnerships.



Mr. Scott L. Montgomery, Affiliate Faculty Member, Henry M. Jackson School of International Studies
University of Washington

Scott L. Montgomery is an author and affiliate faculty member in the Henry M. Jackson School of International Studies at the University of Washington. His research interests include scientific language and communication, history of science, education, and energy-related science and policy. For 25 years he was a consulting petroleum geologist in the U.S. energy industry and is widely known for his many technical papers and monographs on emerging oil and gas plays in North America and around the world. In addition to teaching and lecturing, his current work includes consulting with corporate and research organizations to improve their level of scientific communication.

He is the author of 12 books, most recently *Does Science Need a Global Language? English and the Future of Research* (University of Chicago), which appeared in May. His previous work, *Powers that Be: Global Energy for the 21st Century* (Chicago, 2010) was a *Choice* outstanding academic title for 2010. Other recent titles include *The Chicago Guide to Communicating Science* (2003; Second Edition forthcoming 2014) and *A History of Science in World Cultures* (Routledge, forthcoming 2014). He has lectured widely on the basis of these works in the U.S. and abroad. He currently lives in Seattle with his wife and two sons.



Dr. C. D. (Dan) Mote, Jr., President
National Academy of Engineering

C. D. (Dan) Mote, Jr. is President of the National Academy of Engineering and Regents Professor, on leave, from the University of Maryland, College Park.

Dr. Mote is a native Californian who earned his BS, MS, and PhD degrees at the University of California, Berkeley in mechanical engineering between 1959 and 1963. After a postdoctoral year in England and three years as an assistant professor at the Carnegie Institute of Technology in Pittsburgh, he returned to Berkeley to join the faculty in mechanical engineering for the next 31 years. He and his students investigated the dynamics, stability, and control of high-speed rotating and translating continua (e.g., disks, webs, tapes, and cables) as well as biomechanical problems emanating from snow skiing. He coined the area called

“dynamics of axially moving materials” encompassing these systems. Fifty-eight PhD students earned their degrees under his mentorship.

At Berkeley, he held an endowed chair in mechanical systems and served as chair of the mechanical engineering department from 1987 to 1991 when the National Research Council (NRC) ranked its graduate program effectiveness highest nationally. Because of his success at raising funds for mechanical engineering, in 1991 he was appointed vice chancellor at Berkeley expressly to create and lead a \$1 billion capital campaign for the campus that ultimately reached \$1.4 billion.

In 1998, Dr. Mote was recruited to the presidency of the University of Maryland, College Park, a position he held until 2010 when he was appointed Regents Professor. His goal for the university was to elevate its self-expectation of achievement and its national and global position through proactive initiatives. During his tenure the number of Academy members among the faculty tripled, three Nobel laureates were recognized, and an accredited school of public health and a new department of bioengineering were created. He also founded a 130-acre research park next to the campus, faculty research funds increased by 150%, and partnerships with surrounding federal agencies and with international organizations expanded greatly. The number of students studying abroad tripled, and he created an annual open house day that has attracted over 100,000 visitors on that day, founded a charitable foundation for the campus whose board of trustees launched a \$1 billion capital campaign that reached its goal, and took every student to lunch that wanted to go. The Academic Ranking of World Universities ranked the campus #36 in 2010 and its Engineering School #13 globally.

The NAE elected him to membership in 1988, and to the positions of Councillor (2002-2008), Treasurer (2009-2013), and President for six years beginning July 1, 2013. He has served on the NRC Governing Board Executive Committee since 2009. He chaired the NRC Committee on Global Science and Technology Strategies and Their Effects on US National Security (2009-2010), cochaired the National Academies Government-University-Industry Research Roundtable (2007-2013), and cochaired the Committee on Science, Technology, Engineering, and Mathematics Workforce Needs for the US Department of Defense and the US Industrial Base (2011-2012). He was vice chair of the NRC Committee on the Department of Defense Basic Research (2004) and served on the NRC committee authoring the *Rising Above the Gathering Storm* reports of 2005 and 2010. He was also a founding member of the FBI's National Security Higher Education Advisory Board (2005-2010).

Dr. Mote's recognitions include the NAE Founders Award, the American Society of Mechanical Engineers Medal, and the Humboldt Prize of the Federal Republic of Germany. At the University of California, Berkeley, he was honored with the Distinguished Teaching Award, Distinguished Engineering Alumnus Award, Berkeley Citation, and Excellence in Achievement Award. He is an Honorary Fellow of the American Society of Mechanical Engineers, and Fellow of the American Academy of Arts

and Sciences, the American Academy of Mechanics, the Acoustical Society of America and the American Association for the Advancement of Science. He holds three honorary doctorates and two honorary professorships.



Dr. Jurij Paraszczk, Director of IBM Research Industry Solutions and Leader of the Research Smarter Cities Program

IBM

Jurij is Director of IBM Research Industry Solutions and the leader of the Research Smarter Cities program focusing on helping cities manage the complex set of demands placed on their infrastructure by their constituents and on the optimization of flows of energy, people and water through this infrastructure.

As the IBM Research lead for Smarter Cities Jurij is responsible for aligning the 10 Research Laboratories around Smarter Cities opportunities emerging around the globe. In this role he is also responsible for integrating research capabilities in, materials and processes, IT innovation, modeling and optimization to implement sustainable solutions with IBM's customers in industries as diverse as retail, telecom, automotive, electric power, government. In addition Jurij manages a team of specialists who help develop Research innovations in ICT into customer solutions for all industry verticals.

Previously Jurij was Chief Technology Officer of the IBM Venture Capital group and also Director of Technology for the IBM Research Emerging Business Group, where he was responsible for identifying and harvesting all sources of innovation for IBM's solutions and products from a the global Venture community and the Research Division, Prior to these roles, Jurij worked in Digital Media as the CTO and in IBM Research working variously in telecommunications systems, chip design and materials science focusing on the design and use of materials for semiconductor devices.

Jurij has over 55 publications in various areas of telecommunications, technology and systems and over 18 patents in a wide variety of fields including communications, plasma chemistry, microlithography, materials manipulation and chip fabrication, packaging systems, media delivery and characterization, Jurij has a broad experience to draw on to help span a wide variety of disciplines and to synthesize new approaches to old problems. He obtained his PhD and BSc from the University of Sheffield, UK



**Dr. Arturo Pizano, Manager, University Research
Collaboration Program**
Siemens

Arturo Pizano is Manager, University Collaboration for Siemens Corporation, Corporate Research and Technology. In this capacity he is responsible for establishing and maintaining relationships with US universities of strategic importance to Siemens's R&D organization across the globe. Prior to his current position, Arturo was a part of the internal audit organization of Siemens as a member of the Operational Audit team. Arturo joined Siemens Corporate Research in 1993 as a Member of the Technical Staff in the Imaging and Visualization Department. He became Program Manager in Multimedia Communications and Collaboration and later Head of the Multimedia and Video Technology Department. Prior to joining Siemens he worked as a Staff Scientist in the Software Research Center of Ricoh Corporation in Santa Clara, California. Arturo holds a B.Sc. in Actuarial Science from the National Autonomous University of Mexico and a M.Sc. and Ph.D. in Computer Science from the University of California Los Angeles.



**Ms. Julissa Reynoso, U.S. Ambassador to the Oriental
Republic of Uruguay**

Julissa Reynoso was confirmed by the United States Senate as Ambassador to the Oriental Republic of Uruguay on March 30, 2012.

Prior to her nomination, Ambassador Reynoso served as Deputy Assistant Secretary for Central America and the Caribbean in the Bureau of Western Hemisphere Affairs at the Department of State.

Ms. Reynoso is an attorney by trade and, prior to joining the U.S. State Department, practiced law at the international law firm of Simpson Thacher & Bartlett LLP in New York, focusing on international arbitration and antitrust law. She was also a fellow at New York University School of Law and Columbia Law School.

In 2006, Ms. Reynoso served as Deputy Director of the Office of Accountability at the New York City Department of Education. She has published widely in both Spanish and English on a range of issues including regulatory reform, community organizing, housing reform, immigration policy, and Latin American politics for both popular press and academic journals.

Ms. Reynoso holds a B.A. in Government from Harvard University, a Masters in Philosophy from the University of Cambridge in the U.K., and a J.D. from Columbia

University School of Law. After law school, she clerked for the Honorable Federal Judge Laura Taylor Swain. Ms. Reynoso is a member of the Council of Foreign Relations.



Mr. Daniel Satinsky, Vice President for Business Development
Foresight Science & Technology, Inc.

Daniel Satinsky is Vice President for Business Development at Foresight Science & Technology, Inc. (www.foresightst.com), a global technology commercialization consulting company. For more than 20 years, Daniel has been engaged in technology-related Russian business projects, market entry for both Russian and U.S. companies, thought leadership on Russian-American economic issues, and building practical business networks. He has participated personally in three startup companies and has acted as an advisor to a number of established companies. Daniel is a co-author of the soon-to-be published article, “Emerging Innovation in an Emerging Economy: Can Institutional Reforms Help Russia Break through Historical Barriers.” Past publications include: co-author of *Yaroslavl Roadmap 10-15-20*, a New York Academy of Sciences study of worldwide innovation best practices and Russia; *Buyer’s Guide to the Russian IT Outsourcing Industry*; co-author *Perm Innovation Roadmap* and *Industrial Giants, Entrepreneurs and Regional Government-The Changing Business Environment in the Yaroslavl’ Oblast 1991-98*. He has been President of the Board of the U.S.-Russia Chamber of Commerce of New England for more than 15 years. He holds a Master of Law and Diplomacy degree from the Fletcher School of Law & Diplomacy, a J.D. from Northeastern University Law School and a B.A. from James Madison College of Michigan State University.



Mr. Patrick Schlesinger, Assistant Vice Chancellor for
Research Administration and Compliance
University of California, Berkeley

Patrick Schlesinger is the Assistant Vice Chancellor for Research Administration and Compliance at the University of California, Berkeley. The Research Administration and Compliance office oversees Berkeley’s Office for the Protection of Human Subjects, the Animal Care and Use Committee, the Conflict of Interest Committee, and the Sponsored Projects Office. Prior to joining UC Berkeley, Mr. Schlesinger served as the systemwide Director of Research Compliance at the UC Office of the President and as University Counsel in the Office of the General Counsel. Before joining the University, Mr. Schlesinger was a partner at the law firm of Landels, Ripley & Diamond in San Francisco and was an attorney with the U.S. Environmental Protection Agency in Washington, D.C. He has a Bachelor of Music from San Diego State University with majors in music performance and American History and a J.D. from the George Washington Law School in Washington, D.C.



**Ms. Susan Sloan, Director, Government-University-Industry
Research Roundtable**

The National Academies

Susan Sauer Sloan joined The National Academies in 2008 as Director of the Government-University-Industry Research Roundtable (GUIRR). Before assuming the role, Susan served a six-month appointment as Executive in Residence at the Center for the Advancement of Scholarship on Engineering Education (CASEE) of the National Academy of Engineering and, for the six years prior, as Chief Executive Officer of the Global Wireless Education Consortium (GWEC), a university-industry membership organization committed to the development and incorporation of current wireless technology curricula in academic institutions worldwide. Earlier in her career, Susan worked as Corporate/Foundation Relations Consultant to the National Science Foundation's Division of Undergraduate Education, as Associate Director of the Master of Health Science (MHS) in Health Policy program at the Johns Hopkins University School of Public Health, as Director of Communications for Sigma-Tau Pharmaceuticals, Inc., and as Senior Program Associate for the American Association for the Advancement of Science. Susan got her start in Washington, DC, working as a staff assistant to Representative Timothy E. Wirth (D-CO), U.S. House of Representatives.



Mr. Robert L. Stoll, Partner

Drinker Biddle & Reath LLP

Robert L. Stoll is a partner on the Patent team at Drinker Biddle & Reath LLP and Co-Chair of the Intellectual Property Group. As the former USPTO Commissioner for Patents, he was instrumental in the passage of landmark patent legislation, the America Invents Act, and lauded for his efforts to reduce patent pendency and improve patent quality. He has spent his career improving the intellectual property system and educating the public, applicants, corporations and foreign governments on the criticality of intellectual property to economic growth and job creation. The 2012 recipient of *Managing Intellectual Property* magazine's lifetime achievement in intellectual property award, he has a deep understanding of domestic and foreign intellectual property law and was instrumental in the development and analysis of legislation concerning all areas of intellectual property and was one of the country's leaders in establishing the U.S. government's positions on international issues related to intellectual property. He earned his J.D. in 1985 from the Catholic University of America and his B.S. degree in Chemical Engineering in 1979 from the University of Maryland.



Dr. Eric Strauss, President's Professor of Biology and Executive Director, Center for Urban Resilience

Loyola Marymount University

Dr. Eric Strauss serves Loyola Marymount University as President's Professor of Biology, Executive Director of the Center for Urban Resilience (CUREs) and Director of the graduate program in urban ecology. With collaborative research specialties in animal behavior, endangered species management, urban ecosystem

dynamics and science education, Eric has extended the model for faculty scholarship by co-founding the Urban Ecology Institute in Boston while he served as a faculty member at Boston College and CUREs in LA, both of which provide educational, research and restoration programs to underserved neighborhoods and their residents. In addition, Dr. Strauss is the Founding Editor of a web-based peer-reviewed journal, *Cities and the Environment*, which is funded in part by the USDA Forest Service. His research includes collaborative long term studies of coyotes, White tailed deer, crows, turtles and other vertebrates, with a specialty in understanding wildlife in urban areas and the appropriate management responses to wildlife problems and zoonotic disease. His work also includes investigating the role of green space and urban forests in supporting of healthy neighborhoods and how those features can be used to improve science education in underserved neighborhoods. He has co-written multi-media textbooks in biology and urban ecology as well as hosting multiple video series on the life sciences and ecology. Dr. Strauss received his BS in Mass Communication from Emerson College and Ph.D. in Biology from Tufts University in 1990.



Dr. Edward (Ted) L. Trimble, Director, Center for Global Health

National Cancer Institute

Following graduation from Harvard College and the Johns Hopkins University School of Medicine, Edward L. Trimble trained in obstetrics and gynecology at the Vanderbilt University Medical Center. He earned a master's degree in public health from the Johns Hopkins School of Hygiene and Public Health, then completed a fellowship in gynecologic oncology at Memorial Sloan-Kettering Cancer Center. He is board-certified in obstetrics and gynecology, as well as in gynecologic oncology, by the American Board of Obstetrics and Gynecology.

In September 2011 Dr. Harold Varmus, Director of the US National Cancer Institute (NCI) appointed Dr. Trimble Director of the NCI's new Center for Global Health. Between 1991 and 2011, Dr. Trimble was Head, Gynecologic Cancer Therapeutics and Quality of Cancer

Care Therapeutics, Clinical Investigation Branch, Cancer Therapy Evaluation Program, Division of Cancer Treatment and Diagnosis, at the NCI. His duties involved scientific liaison with the Gynecologic Oncology Group and the American College of Surgeons Oncology Group, as well as oversight of issues involving the elderly, minorities, women's health, international collaboration, cost, cancer health disparities, health-related quality of life and patient-reported outcomes in NCI-sponsored treatment trials. For his work at NCI he has received two Public Health Service Commendation Medals, 6 NIH Merit Awards, and the NCI Director's Gold Star Award.