

UT Arlington:
The Model 21st Century
Urban Research University

Vistasp Karbhari, President



Some Numbers

- \$31.6 Billion
- \$3.6 Billion
- \$1.1 Billion
- 8th
- 1st

Location



A University of Choice



- > 7,000 employees
- > 180 degree programs
- > 9,700 graduates in '13-'14

10,500 beds on or around campus

\$13.6 Billion economic impact annually (2012)

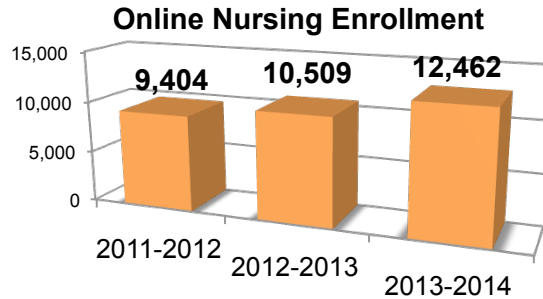


A Future Built on IDEAS

- I: **Innovation** in delivery of education – Nursing, LINK Lab.
Impactful research – 10 members in the National Academy of Inventors.
\$28.6M in research awards in Aug-Oct '14.



SMART Hospital



George Siemens



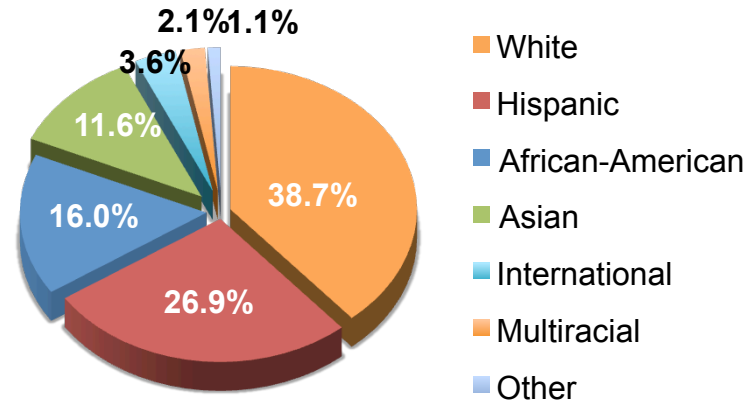
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D: Diversity – Ranked 5th most diverse public research university in the nation. Highest-profile Hispanic Serving Institution in North Texas. Growing international population.



Student Ethnicity

Fall 2014



A Future Built on IDEAS

E: Excellence – Highest degree production ratio of all UT campuses. Asia Executive MBA is one of the largest and most reputed. Renowned faculty: 2 NAE, 1 NAS, 10 NAI, fellows and awards. Nationally ranked programs.



Nai Yuen Chen



David Nygren
(2014)



Ken Reifsnider*
(2015)



Jessica Stevens



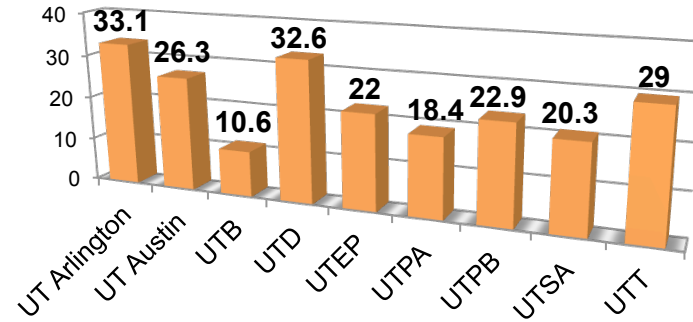
Emmanuel Fordjour



Formula SAE Racing Team

Degree Production Ratio, 2012-13

Bachelor's Degrees Awarded per 100
Full-Time Equivalent Undergraduates
Enrolled 4 Years Earlier

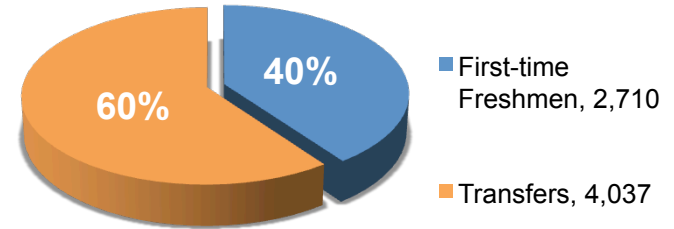


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- A: Access** – 7th fastest growing public research institution – CHE (2013).
Innovative programs to develop pipelines and pathways for student success through GO Centers, “Bound for Success”, STEM Academy...
Degree and non-degree seeking students.
DED hosts the nation’s largest OSHA education center.
New Division of Global Outreach and Extended Studies.

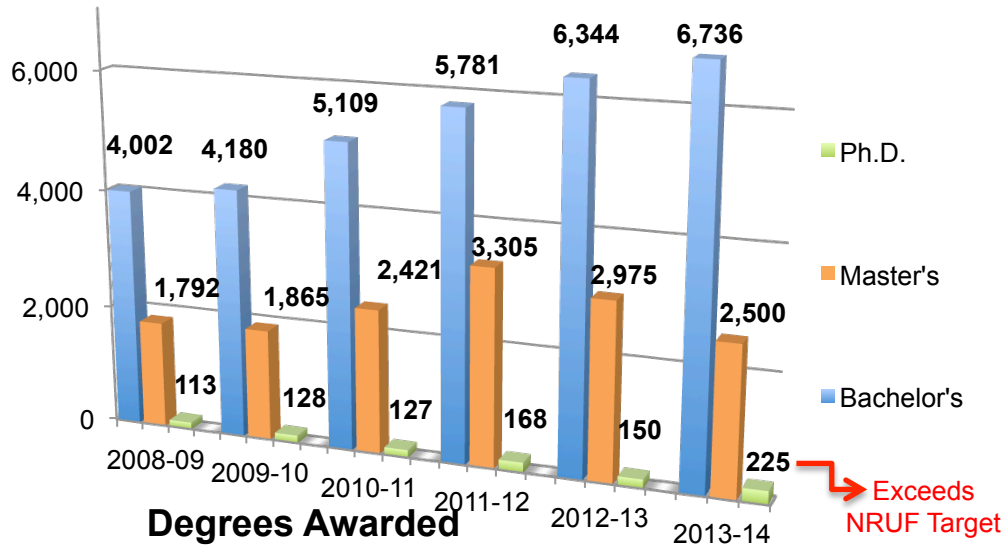


New Incoming Students
By Mode of Entry, Fall 2014



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S: Students – Committed to student success.
College of Nursing has NCLEX results higher than TX & national average.
University College, FIGs, FYE Course (MAVS 1000).
Career Development/Support Center.



Vision Statement

The University of Texas at Arlington is an internationally recognized research university, distinguished by excellence and access through transformative knowledge production and education based on scholarship, collaboration, innovation, creativity, and global impact.

The Dynamic North Texas Region

- We are located in the middle of the fourth-largest metropolitan area in the United States
- The population is young, diverse, international, and upwardly mobile



AGE

0-19 Years	30.4%
20-34 Years	21.7%
35-54 Years	29.1%
55-74 Years	15.1%
75+ Years	3.7%
Median Age	33.6

FOREIGN-BORN

Foreign-born population	17.4%
World region of birth of foreign-born	
Europe	4.7%
Asia	24.3%
Africa	5.5%
Oceania	0.3%
Latin America	64.1%
North America	1.1%

RACE / ETHNICITY

White	50.2%
Hispanic	27.5%
Black or African-American	14.7%
Asian	5.4%
Other	2.2%

LABOR FORCE

Occupations	
Management, professional, and related	37.0%
Service	15.4%
Sales and office	26.4%
Construction, extraction, maintenance and repair	9.7%
Production, transportation, and material moving	11.6%

- Data from DRC 2014 Economic Development Guide

Access to a Major Hub

- DFW Airport is the fourth-busiest airport in the world with an area larger than Manhattan
- DFW Airport is the highest-capacity commercial airport in the world with seven runways
- DFW Airport serves 148 domestic and 59 international destinations
- Combined activity at DFW Airport, Love Field, and Alliance positions the Metroplex as having one of the world's highest capacities



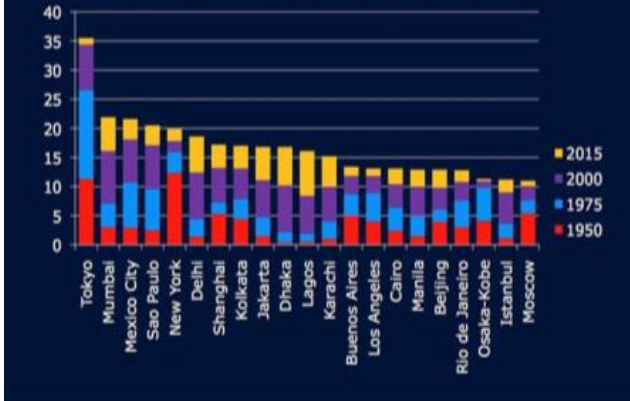
Global Transformations

Rural → Urban

Formal Sectors → Informal Sectors (Metropolitan Areas)

Cities → Megacities

- 100 years ago, 2 out of 10 people lived in cities.
- By 1950 the number had grown to 3 out of 10.
- Today more than 50 percent of the world's population lives in cities.
- As urbanization increases, so do issues of sustainability, infrastructure, social inequity, and health issues.



Strategic Plan | 2020

Focus

▪ Global Impact through Enabling a Sustainable Megacity

- Megacities pose an unprecedented need for bold solutions on a global scale.
- UT Arlington is uniquely positioned to address epic challenges facing growing urban regions.
- Pressing issues include improving health care, addressing aspects related to the built environment and creating more livable communities, managing our natural resources, and harnessing the proliferation of data.
- UT Arlington will leverage expertise in these critical areas to help emerging megacities like the DFW Metroplex become more sustainable economic and cultural centers that raise the prospects for prosperity and sustainability while enhancing the quality of life.



Strategic Plan | 2020

Focus

- Global Impact through Enabling a Sustainable Megacity

Guiding Themes

- Health and the Human Condition
- Sustainable Urban Communities
- Global Environmental Impact
- Data-Driven Discovery for the Enhancement of Knowledge





Guiding Theme: **Health and the Human Condition**

- Health management as broadly defined in physical, mental, emotional and social contexts.
- Health innovations, including diagnostic, prognostic, and enabling technologies.

Key Initiatives:

1. Establish a new College of Nursing and Health Innovation to enhance health sciences focus
2. Develop closer collaborations between UTA and the health sector through joint projects & appointments
3. Establish a Center for Engineering in Medicine to enhance translational research
4. Enhance research foci in bioengineering, neurosciences, kinesiology, gerontology, and computational sciences, supporting the thrust through cluster and targeted hires
5. Enhance the health focus in the College of Business
6. Enhance the reach and impact of programs involving the School of Social Work

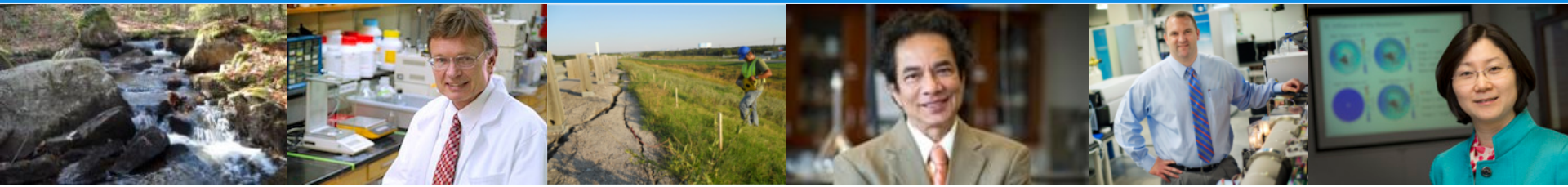


Guiding Theme: **Sustainable Urban Communities**

- Foster sustainable urban communities through a focus on natural, built, socio-economic and cultural environments.
- Understand and interpret demographic change & the broad spectrum of human capital.

Key Initiatives:

1. Establish a new college integrating the School of Architecture & the School of Urban & Public Affairs
2. Develop a new construction management degree
3. Develop a new architectural engineering degree to meet critical workforce needs
4. Establish an Institute for Sustainability
5. Establish a department/school of Resource Engineering in collaboration with FW & the corporate comm.
6. Enhance research, teaching, and outreach in the area of urban communities through integration of efforts of existing centers and through key hires

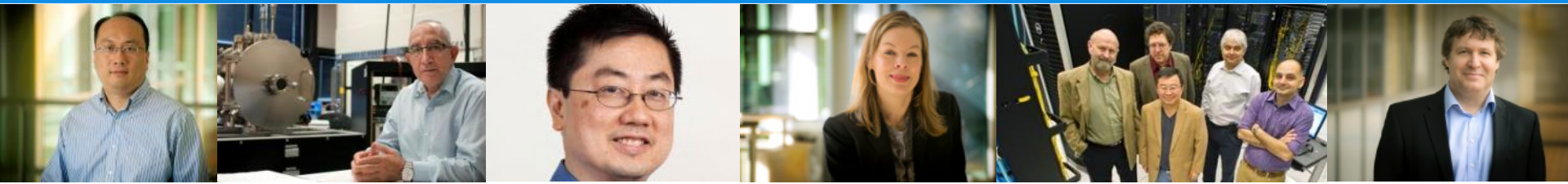


Guiding Theme: **Global Environmental Impact**

- Address global challenges such as effects of climate change, energy, water, disasters, & pollution.
- Develop solutions through analysis of global population dynamics, enviro. economics & history.

Key Initiatives:

1. Enhance the Shimadzu Institute to enable greater research in areas related to environmental science and build faculty strength in this area
2. Establish a cross-cutting institute to enable key thrusts in water and environmental impact
3. Develop strengths in areas related to environmental policy
4. Develop new programs focused on water resources, conservation, pollution, and disaster mitigation
5. Establish a department/school of Resource Engineering
6. Enhance the continuing and professional education efforts aimed at environmental effects, regulation, and compliance



Guiding Theme: **Data-Driven Discovery for Knowledge Enhancement**

- Develop methods of data analytics & science to use “big data” from multiple fields.
- Use big data sets to discover new, and enhance current, knowledge.

Key Initiatives:

1. Establish a new degree in data analytics in the College of Business to meet workforce needs
2. Establish true multidisciplinary degrees in “data science”
3. Establish an Institute for the Predictive Performance of Materials and Structures as a national center of excellence to enable diagnostic and prognostic capabilities.
4. Establish a Center for Modeling, Simulation, and Visualization.
5. Establish thrusts in the digital humanities and media and digital communications
6. Develop strengths in data security and resilience through collaborations among the Colleges

Strategic Plan | 2020

Focus

- Global Impact through Enabling a Sustainable Megacity

Guiding Themes

- Health and the Human Condition
- Sustainable Urban Communities
- Global Environmental Impact
- Data-Driven Discovery and Enhancement of Knowledge

Guiding Aspirations

- Leverage our location through collaboration to serve our community
- Enhance access and quality to ensure impactful student success
- Expand faculty excellence to strengthen academic programs
- Enhance inspired, impactful research and scholarship
- Enhance visibility and impact through global engagement
- Lead in innovation, entrepreneurship, and creativity

Be the Model 21st Century Urban Research University



Some Key Targets for 2020

	Fall 2013	2014-2015	Fall 2020
Enrollment (THECB*)	33,278	34,899 (F '14)	> 43,000
Freshman retention rate	75%		> 90%
6-year graduation rate	44%		> 60%
Endowment	\$101.7 M	\$117.8 M	> \$500 M
Research expenditures	\$77.7 M	\$28.6M in Aug-Oct*	> \$150 M
NAE/NAS/IOM	1	2 (3*)	
NAI	8	10	20
Ph.D.s awarded	150	225	> 250
<i>U.S. News & World Report</i> Ranking	N/R	N/R	Top 100
<i>U.S. News & World Report Eng</i> Ranking	N/R	100	Top 50
Professional and continuing education	22,000	22,000	> 45,000
Tenure stream faculty FTE	610		} > 1500
Non-tenure stream faculty FTE	578		

* Excludes on-line out-of-state students

Some Numbers (Again)

- \$31.6 Billion Estimated annual sales of UCSD related companies in SD
- \$3.6 Billion Annual revenues
- \$1.1 Billion Research funding
- 8th Best public university in the nation (USN&WR)
- 1st Ranking by the Washington Monthly for Positive Impact



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