



Dashboard

Impact Story



Keeping the Turbines Turning - Texas leads the United States in wind energy production, with almost 9,400 megawatts capacity from more than 40 wind farms. But these wind turbines — typically more than 100 turbines on a single farm — are expensive and complicated and difficult to maintain.

Yu Ding, professor in the Department of Industrial and Systems Engineering, and post-doctoral associate Eunshin Byon, who earned her Ph.D. with this research, aim to improve the efficiency and reduce the cost of operations and maintenance for wind farms. The original research pair has grown into a team of seven people now, including fellow Associate Professor Lewis Ntamo. Their research is part of a project supported by the National Science Foundation since 2006 in collaboration with General Electric. *To read the rest of the story click [here](#).*



Impact

- 1 National level awards
- 7 Fellow grades in professional societies
- 5 Authored adapted textbooks

Productivity

- Rankings

Graduate – 8th

Undergraduate – 7th

(Source: U.S. News & World Report)

- 50 Refereed journal papers (2010)
- 11 Selective conference papers (2010)
- 2 Young Investigator awards (since 2003)
(NSF CAREER, Air Force, Navy, DARPA, and PECASE)

35 Scholarships awarded (2011)

- Occupied Endowed Positions

Chairs – 1

Professorships – 1

Career Development Professorships – 2

Faculty Fellows – 6

Service

- 23 Editorships and editorial board memberships
- 30 Memberships in professional society committees

Diversity

• Faculty (Fall 2011)

Male – 91%

Female – 09%

Hispanic – 14%

African-American – 05%

White – 77%

Asian – 05%

Native American – 00%

• Staff

Male – 33%

Female – 67%

Hispanic – 08%

African-American – 00%

White – 92%

Asian – 00%

Other – 00%

• Departmental External Advisory Committees

Male – 87%

Female – 13%

Hispanic – 00%

African-American – 00%

White – 100%

Asian – 00%