



Department of Industrial and Systems Engineering

Dashboard

Impact Story



Port Security – Helping to increase the chance of detecting smuggled nuclear materials at U. S. ports and borders

Stopping a terrorist from smuggling nuclear material into the country inside a shipping container – 12 million of which enter the country annually through ports – is the goal of a collaborative effort funded by the U. S. Department of Homeland Security’s Domestic Nuclear Detection Office. Gary Gaukler, an assistant professor in the Department of Industrial and Systems Engineering, leads a research team which focuses its expertise on how best to use radiation detectors at U. S. borders.

Read the story at <http://engineering.tamu.edu/research/2011/port-security>



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%