Department of Industrial and Systems Engineering

ABOUT THE DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

STUDENTS
150 Undergraduates
12 Masters
6 Doctoral

RANKED 21st in 2012 US News & World Report Graduate Rankings

DEGREES OFFERED
Industrial and Management Engineering (B.S., M.S., M.Eng.)
Systems Engineering and Technology Management (M.Eng.)
Decision Sciences and Engineering Systems (Ph.D.)

DEGREES AWARDED IN 2012
5 Ph.D. DSES
10 Master’s IME
3 Master’s SETM
50 BS IME

GRADUATE STUDENT SUPPORT
(FALL 2012)
100% of doctoral students received financial assistance

RESEARCH AREAS

SOCIAL AND COGNITIVE NETWORKS
- network science
- cognitive systems engineering
- resilience engineering
- performance modeling of neuro-prosthetics
- pattern recognition and threat detection in social networks
- emergent and improvisational responses of organizations to unplanned events

ADAPTIVE SUPPLY CHAINS
- game theory based modeling of supply chains
- network design and scheduling in infrastructure restoration
- scheduling of semiconductor manufacturing operations
- logistics of disaster response
- application of sensor data in real time materials management

AFFILIATED RESEARCH CENTERS
- U.S. Army Research Lab (ARL) Social Network Academic Research Center | scnarc.rpi.edu
- Center for Automation Technologies and Systems | cats.rpi.edu

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