Student achievements

IISE ASU student chapter received gold status

The Institute of Industrial and Systems Engineers has awarded Gold Status to its Arizona State University chapter for what the student group has done to benefit its members and the ISE community in the past year.

During the 2016–2017 academic year, the chapter’s leadership has organized career-fair preparation sessions, with industry professionals and faculty members on hand to evaluate students’ résumés.

The chapter provided 17 members scholarships to cover fees to become members of the national IISE, sent six members to the national organization’s Western Regional Conference and three to the Annual National Conference, where they participated in a student engineering design competition.

Bing Si won the 3rd place in the ISERC healthcare track best student competition

Kangwon Seo won the 3rd place Tom Fagan Best Student Paper Award at RAMS conference

Arun Bala Subramanian won the runner-up in NIST Reusable Abstractions of Manufacturing Processes (RAMP) challenge

James Boulton was recognized as one of the top two fall 2016 Fulton Schools graduates

Enrollment

» 14 new Ph.D. students in fall 2017
» 15 percent increase in new master’s IE students over fall 2016
» IE and EM undergraduate student enrollment doubled from fall 2013 to fall 2016

Lab highlights

ASU-Mayo Clinic Imaging Informatics Lab (AMIIl)

Together with the Mayo Clinic Arizona Department of Radiology, AMIIl seeks to improve patient care by analyzing and managing information in radiology images and databases. The lab develops novel informatics, statistics and machine learning tools as well as systems engineering approaches.

amiil.engineering.asu.edu

ASU Industrial Assessment Center (IAC)

The ASU IAC, one of 28 IACs across the nation supported by the DoE, uses IE faculty, staff and student expertise to help small- and medium-sized manufacturing plants to increase their energy efficiency, productivity and waste reduction through free assessments.

iac.engineering.asu.edu

Contact us

Program Chair: Rong Pan
rong.pan@asu.edu
CIDSE Interim Director: Sandeep Gupta
sandeep.gupta@asu.edu

Visit us at the Brickyard on Mill Avenue
Brickyard (BYENG) 553
699 S. Mill Avenue, Tempe, AZ 85281

cidse.engineering.asu.edu
Internationally recognized faculty
The ASU Industrial Engineering faculty includes Fulbright Scholars, leaders with decades of experience and world-renowned authorities in their domain areas.

Pitu Mirchandani
elected IEEE Fellow in 2017

Ron Askin
received the 2017 Albert G. Holzman Distinguished Educator Award

Douglas Montgomery
unanimously voted the American Society for Quality’s 25th Honorary Member

New grants in 2017
Pitu Mirchandani
DHS Center of Excellence
NSF CMMI

Ted Pavlic
DARPA I2O (2)
NSF CRISP

Jing Li
NIH U01

Teresa Wu
NIH R01 (2)
NSF Smart Community Planning Grant

Rong Pan
NSF CMMI

Jorge Sefair
NSF INFEWS
Anonymous Conservation Foundation

Hao Yan’s expertise lies at the intersection of statistics, machine learning and industrial engineering. He will teach students to apply their data science knowledge to real-world systems.

Joseph Juarez brings 30 years of military and commercial large complex systems development experience to systems engineering and project management courses.

Paper award
Rong Pan co-authored paper on JQT receives ASA SPES award in 2017

IE Ph.D.s in academia
Kangwon Seo
(graduate 2017)
Assistant Professor, University of Missouri

Mickey Mancenido
(graduate 2016)
Assistant Professor, ASU West

The Department of Homeland Security Science and Technology Directorate selected Arizona State University to lead a consortium of U.S. academic institutions and other partners for a new Center of Excellence for Accelerating Operational Efficiency (CAOE). ASU’s commitment to impactful, use-inspired research uniquely positioned the university to help DHS address operational challenges.

The center will explore how to make TSA pre-screening more effective and how to develop tools to assess, mitigate and plan for threats, said Pitu Mirchandani, who will serve as the center’s chief scientist.

CAOE will develop new research and translate existing research into useful tools, said Ross Maciejewski, the center’s director. DHS organizations can put into place the resulting data analytics, economic analysis and operations management systems for improved decision-making and effectiveness.

The new center brings $20 million in research funding to ASU over the next five years, with potential to extend for another five years.

The DHS center will also provide opportunities for students interested in careers in homeland security to conduct research and complete internships, preparing the next generation of security practitioners.

2016–2017 graduates
IE 65 B.S.E. 66 M.S. 6 Ph.D. EM 44 B.S.E.

ASU Regents’ Professor Douglas Montgomery has applied his expertise in projects funded by the Department of Defense, National Science Foundation and many major corporations.

The Industrial Engineering and Engineering Management programs in the Ira A. Fulton Schools of Engineering are among the largest in the nation with more than 1,000 students enrolled. The Industrial Engineering program has placed more than 100 Ph.D. graduates in leading universities, research organizations and top global companies.

Programs offered
» Industrial Engineering B.S.E, 4+1, M.S., M.S. online, Ph.D.
» Engineering Management B.S.E., B.S.E. online, 4+1

Faculty research areas
» Operations research
» Industrial statistics
» Production systems and logistics
» Information management systems

Research labs and centers
» DHS Center for Accelerating Operational Efficiency
» DoE Industry Assessment Center
» ASU-Mayo Imaging Informatics Lab
» Manufacturing Innovation Technologies Lab
» Autonomous Collective Systems Lab
» Reliability Engineering Lab
» Advanced Transportation and Logistics: Algorithms and Systems (ATLAS) Lab
» International Logistics & Productivity Improvement Lab

#1 Most Innovative National University
by U.S. News & World Report

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New faculty 2017
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