2019
HONORS & AWARDS
MAY 20, 2019 • ROSEN SHINGLE CREEK HOTEL • ORLANDO, FLORIDA
INSTITUTE OF INDUSTRIAL & SYSTEMS ENGINEERS
Presentation of

AWARDS

Banquet Hosts

Jamie Rogers
IIESE President

David Poirier
IIESE President-Elect

Tim McGlothlin
IIESE Immediate Past President
Monday Evening Banquet

- UPS Scholarship for Female Students
- UPS Scholarship for Minority Students
- Outstanding Innovation in Service Systems Engineering Competition
- IIESE Undergraduate Student Simulation Competition
- IIESE Undergraduate Student Technical Paper Competition
- Award for Technical Innovation in Industrial Engineering
- Boeing Excellence Award for Collaboration in Productivity, Workplace Safety and Ergonomics
- Dr. Hamed K. Eldin Outstanding Early Career IE in Academia Award
- Outstanding Early Career IE in Business/Industry Award
- Outstanding Middle Career IE Leadership Award for Business/Industry
- Fred C. Crane Distinguished Service Award
- UPS Minority Award for Excellence
- Fellow Award
- Medallion Award
- Albert G. Holzman Distinguished Educator Award
- David F. Baker Distinguished Research Award
- Captains of Industry Award
- Frank and Lillian Gilbreth Industrial Engineering Award

Tuesday Morning Keynote

- James W. Barany Student Award for Excellence
- Graduate Research Award
- Pritsker Doctoral Dissertation Award
- Excellence Awards — Professional Chapters
- Global and Regional Faculty Advisors Awards
- Engineering Economy Division Best Student Paper Award
- Lean Division Best Student Paper Award
- Logistics & Supply Chain Division Best Student Paper Award
- Logistics & Supply Chain Division Student Case Award
- Manufacturing & Design Division Best Student Paper Award
- Modeling & Simulation Division Best Student Paper Award
- Sustainable Development Division Best Student Paper Award
- Energy Systems Division Outstanding Young Investigator Award
- Engineering Economy Division Teaching Award
- Engineering Economy Division Wellington Award
- Lean Division Teaching Award
- Logistics & Supply Chain Division Outstanding Industry Practitioner Award
- Logistics & Supply Chain Division Teaching Award
- Manufacturing & Design Division Outstanding Service Award
- Manufacturing & Design Division Outstanding Young Investigator Award
- Modeling & Simulation Division Teaching Award
- Operations Research Division Teaching Award
- Quality Control & Reliability Engineering Division Golomski Award
- Sustainable Development Division Excellence in Sustainable Development Award
- Sustainable Development Division Teaching Award

Monday Morning Keynote

- Joint Publishers Book-of-the-Year Award
- IIESE Transactions Best Paper Awards
- IIESE Best Track Paper Awards

Scholarships and Fellowships
Scholarships and Competitions

UPS Scholarships

UPS Scholarship for Female Students
Sponsored by UPS

Priti Kantesaria
Rutgers University

Victoria McKeown
Rutgers University

UPS Scholarship for Minority Students
Sponsored by UPS

Thomas Chavez
University of Illinois at Urbana-Champaign

Karina Gomez Guzman
University of Puerto Rico, Mayaguez

Competitions

Outstanding Innovation in Service Systems Engineering Competition
Sponsored by the Service Enterprise Engineering Advisory Board in the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering at Penn State University

Laura Czuba
Salo Solutions
"ISE Applied to HR Challenges in Home Health Care"

Charles Davis
Penn State Health
"Value Improvement in Total Hip and Knee Arthroplasty – Improving Outcomes and Decreasing Costs"

Felix Optehostert
FIR at RWTH Aachen
"DispoOffshore – Interactive and Dynamic Task and Resource Management in Offshore Wind Farms"

Mohammad Shahabsafa
Optamo LLC
"Optimized Population Management in Correctional Systems: Inmate Assignment, Program Scheduling and Transportation"

Aubrie Smith
The Ohio State University
"Ohio State Move-in Day"

Barbara Venegas Quintrileo
Penn State’s Service Enterprise Engineering SEE 360 Initiative
"ROARS – Real Time Optimization for Adaptive Removal of Snow"

IIESE Outstanding Capstone Senior Design Project Award
Sponsored by the Council on Industrial and Systems Engineering (CISE), Virginia Tech Grado Department of Industrial and Systems Engineering and The Ohio State University Department of Integrated Systems Engineering (Scott and Beatrice Sink Giving Accounts)

The purpose of the award is to encourage undergraduate students to be ISEs for life and to convert from being student members to full time professional members of IIESE. The award intends to do this by recognizing outstanding reduction to practice in the ISE capstone senior design course.

The Award recognizes individual students or teams that have applied their ISE knowledge and skills to have a significant impact on an organization.

IIESE/Rockwell Undergraduate Student Simulation
Sponsored by Rockwell Automation

Binghamton University
“Team Bearcats”
Team Members: Rachel O’Connor, Thomas Krewson and Michael Rutigliano
Advisor: Sang Won Yoon

Ecole de Technologie Superieure
"Team ETS"
Team Members: Sebastien Gamache, Jeremie Picard and Erik Roy-Veilleux
Advisor: Jean-Francois Boulet

Universite du Quebec a Trois-Rivieres
"UQTR"
Team Members: Joanie Huot, Marie Charbonneau-Genest and Lory Thibodeau
Advisor: Georges Abdulnour
Canadian Region:
Jessie Yeung
University of Waterloo
“IMRT with the Sliding Window Technique: An Optimization Model and Demonstration”

Central & South American Region:
Annel Saavedra
Universidad San Francisco de Quito
“Industrial Engineering applied to Food Science: The use of Mixolab for Quality Evaluation of Wheat Flour Partially Substitute by Soursop Residues Flour for Bread Production through a Process Mixture Design”

Mexican Region:
Claudia Puente Contreras
Universidad Politecnica de San Luis Potosi
“Reducing Customer Complaints over Cold-drawn Tubes Defects”

U.S Great Lakes Region:
Aseel Faddah
Wayne State University
“Determining the Optimal Production Schedule for Automobile Powertrains using Deterministic Approach”

U.S Mid-Atlantic Region:
Lauren Carpenito
Virginia Tech
“Development of Criteria for Stepdown Status”

U.S North Central Region:
Nirmal Prakash
University of Illinois at Urbana-Champaign
“Modeling Wi-Fi Signal Interference for Municipal Wireless Network Planning”

U.S. Northeast Region:
Brittany Yesner
Rutgers University
“Statistical Analysis of 3D-printed Porous Scaffolds for Biomedical Applications”

U.S. South Central Region:
Madison Tischhauser
Kansas State University
“Assembly Line Improvement Project for Great Plains Manufacturing of Salina, KS”

U.S. Southeast Region:
Marie Ozenua
Georgia Institute of Technology
“Improving Mobility for Commuting of Warehouse Workers”

U.S. Western Region:
Maha Shah
California State Polytechnic University, Pomona
“Production Planning and Workflow Improvement of the Fiberglass Department at S. Bravo Systems”
2019 Honors & Awards Presentation

Award for Technical Innovation in Industrial Engineering
Sponsored by The Department of Industrial Engineering and Management Systems, University of Central Florida, represented by Dr. Waldemar Karwowski, Pegasus Professor and Chair

Yu Ding
Texas A&M University

Boeing Excellence Award for Collaboration in Productivity, Workplace Safety and Ergonomics
Sponsored by The Boeing Company

Andris Freivalds
Pennsylvania State University

Dr. Hamed K. Eldin Outstanding Early Career IE in Academia Award
Sponsored by Integrated Technology Systems

Kaibo Liu
University of Wisconsin-Madison

West Monroe Partners Outstanding Early Career IE in Business/Industry Award
Sponsored by West Monroe Partners

Muyuan Li
BayCare Health System

Outstanding Middle Career IE Leadership Award for Business/Industry

Jonathan Owen
General Motors

Fred C. Crane Distinguished Service Award

Timothy Greene
Western Michigan University

UPS Minority Advancement Award
Sponsored by UPS

Kerri Bair
Walt Disney Parks & Resorts
Fellow Award

The Fellow Award recognizes outstanding leaders of the profession who have made significant, nationally recognized contributions to industrial and systems engineering. A fellow is the highest classification of IISE membership.

F. Frank Chen
The University of Texas-San Antonio

Don Greene
Institute of Industrial & Systems Engineers

Yongpei Guan
University of Florida

Haitao Liao
University of Arkansas

Pamela McCauley
National Science Foundation (NSF)

Harriet Nembhard
Oregon State University

James Noble
University of Missouri

Andrew Schaefer
Rice University

Tonya Smith-Jackson
North Carolina A&T University
Albert G. Holzman Distinguished Educator Award
The Albert G. Holzman Distinguished Educator Award recognizes outstanding educators who have contributed significantly to the industrial engineering profession.

Kim LaScola Needy
University of Arkansas

Barry Nelson
Northwestern University

Captains of Industry Award
This award honors leaders in business, industry and government such as presidents, CEOs, senior vice presidents and directors of organizations with substantial sales, assets, employment, or other resources.

Sylvia Acevedo
Girl Scouts of the United States of America

Stayce Harris
United States Air Force
Frank and Lillian Gilbreth Industrial Engineering Award

The highest and most esteemed honor bestowed by IIE is the Frank and Lillian Gilbreth Industrial Engineering Award. It recognizes those who have distinguished themselves through contributions to the welfare of mankind in the field of industrial engineering. The contributions are of the highest caliber and nationally or internationally recognized.

Richard Wysk
North Carolina State University
2019 Honors & Awards Presentation

The next slate of awards will be presented before the Keynote Address on Monday, May 20.

2019 Joint Publishers Book-of-the-Year and IIE Transactions Awards
Ravi Ravindran and Vittal Prabhu
Pennsylvania State University
Paul Griffin
Purdue University
“Service Systems Engineering and Management”

2019 IIE Transactions Awards
The IIE Transactions Awards recognizes outstanding research papers published in IIE Transactions.

Design & Manufacturing
Best Paper
Engin Topan
University of Twente
Tarkan Tan and Geert-Jan van Houtum
Technische Universiteit Eindhoven
Rommert Dekker
Erasmus University Rotterdam
“Using Imperfect Advance Demand Information in Lost-Sales Inventory Systems with the Option of Returning Inventory”

Best Application Paper
Aakil M. Caunhye and Michel-Alexandre Cardin
National University of Singapore
“An Approach Based on Robust Optimization and Decision Rules for Analyzing Real Options in Engineering Systems Design”

Operations Engineering & Analytics Best Paper
Michael P. Atkinson and Moshe Kress
Naval Postgraduate School
“Operating with an Incomplete Checklist”

Best Application Paper
Eghbal Rashidi
Santa Clara University
Hugh Richard Medal and Aaron Hoskins
Mississippi State University
“Mitigating a Pyro-terror Attack using Fuel Treatment”

Quality & Reliability Engineering Best Paper
Chen Zhang, Linmiao Zhang and Nan Chen
National University of Singapore
Yong Lei
Zhejiang University
“Modeling Tunnel Profile in the Presence of Coordinate Errors: A Gaussian Process-Based Approach”

Best Application Paper
Xiaonan Liu and Jing Li
Arizona State University
Andrew M. Gough
Intel Corporation
“Semiconductor Corner Lot Generation Robust to Process Variation: Modeling and Analysis”

Scheduling & Logistics Best Paper
Divya J. Nair, David Rey and Vinayak V. Dixit
University of New South Wales
“Fair Allocation and Cost-effective Routing Models for Food Rescue and Re-distribution”

Best Application Paper
Gokce Palak
Shenandoah University
Sandra Duni Eksioglu
Clemson University
Joseph Geunes
University of Arkansas
“Heuristic Algorithms for Inventory Replenishment with Perishable Products and Multiple Transportation Modes”
Construction
Sudip Subedi and Nipesh Pradhananga
Florida International University
“Real-time Kinematic Analysis of Labor-intensive Repetitive Tasks using Depth Sensing Camera”

Engineering Economy
Ramin Giahi, Cameron MacKenzie and Chao Hu
Iowa State University
“A Multi-stage Optimization Model for Flexibility in Engineering Design”

Modeling & Simulation
Md Mamunur Rahman, Yuan Zhou and K. Jamie Rogers
The University of Texas at Arlington
“Performance of Median U-turn Intersection for Alleviation of Traffic Congestion”

Quality Control & Reliability
Juhui Lee and Sungil Kim
National Institute of Science UNIST
“Ordinal-imbalanced Data Classification by Singular Value Decomposing Truncation”
2019 Honors & Awards Presentation

The next slate of awards will be presented before the Keynote Address on Tuesday, May 21.

James W. Barany Student Award for Excellence
The Student Award for Excellence recognizes distinguished undergraduate excellence and campus leadership.

Emily Huffer
Clemson University

Graduate Research Award
The Graduate Research Award promotes excellence in master’s level research.

Richard Alaimo
University of North Carolina

Pritsker Doctoral Dissertation Award
The Pritsker Doctoral Dissertation Award is a memorial endowment in the name of A. Alan B. Pritsker that recognizes outstanding doctoral dissertation research in industrial engineering.

1st Place: Hrayer Aprahmian
Texas A&M University
“Optimal Risk-based Group Testing”

2nd Place: Hamed Rahimian
Northwestern University
“Risk-averse and Distributionally Robust Optimization: Methodology and Applications”

3rd Place: Xiaowei Yue
Virginia Tech
“Engineering-driven Data Analytics for In Situ Process Monitoring of Nanomanufacturing”
IISE Excellence Awards - Professional Chapters

**Gold**
- Columbus (OH)
- Dayton (OH)
- IISE Costa Rica
- IISE South Jersey Delaware Valley
- Los Angeles (CA)
- Milwaukee, WI
- National Capital (DC)
- Pittsburgh (PA)
- Wichita (KS)

**Silver**
- Greater Kansas City
- Twin Cities (MN)
- Central Connecticut
- Central Florida
- Chicago (IL)
- IISE Raleigh (NC)
- Memphis (TN)
- Reading (PA)
- Rochester (NY)

**Award of Merit**
- Dallas-Ft. Worth (TX)
- Detroit (MI)
- Long Island (NY)
- Richmond (VA)
- Syracuse (NY)

**Bronze**
- Greater Kansas City
- Twin Cities (MN)
- Central Connecticut
- Central Florida
- Chicago (IL)
- IISE Raleigh (NC)
- Memphis (TN)
- Reading (PA)
- Rochester (NY)

**Most Improved**
- Los Angeles (CA)

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Outstanding Faculty Advisors Award

**Global Level Honoree**
**U. S. Southeast Region**
Yongpei Guan
*University of Florida*

**Regional Level Honorees**

**Canadian Region**
Mohamed Wahab Ismail
*Ryerson University*

**Central & South American Region**
Anael Espinal Varela
*UNITEC Honduras*

**Central Asian Region**
Jitesh J. Thakkar
*Indian Institute of Technology-Kharagpur*

**Mexican Region**
Luis Enrique Chavez Munoz
*Benemerita Universidad Autonoma de Puebla*

**Middle Eastern Region**
Osama T. Al Meanazel
*Hashemite University*

**Southeast Asian Region**
Hwi Chie Ho
*Binus University*

**U.S. Great Lakes Region**
Marty Cala
*Youngstown State University*

**U.S. Mid-Atlantic Region**
Eileen Van Aken
*Virginia Tech*

**U.S. North Central Region**
Sinan Onal
*Southern Illinois University-Edwardsville*

**U.S. Northeast Region**
Janis Terpenny
*Pennsylvania State University*

**U.S. South Central Region**
Mehmet Bayram Yildirim
*Wichita State University*

**U.S. Southeast Region**
Yongpei Guan
*University of Florida*

**U.S. Western Region**
Kamran Abedini
*California State Polytechnic University-Pomona*
Society and Division Awards

Engineering Economy Division Best Student Paper Award
Alok Dand
Wichita State University
“Analysis of Airline and Passenger Delay Costs using FAA Data”

Lean Division Best Student Paper Award
Sponsored by J T. And the Late Carol Black
Rafid Al Janahi
University of Texas at San Antonio
“Implementing Kaizen through a Lean RACE Model: A Case Study”

Logistics & Supply Chain Division Student Case Award
Luana Souza Almeida, Eric Bertrand and Rafael Lucas Costa Souza
Dalhousie University

Manufacturing & Design Division Best Student Paper Award
Karl Schuchard, Behnam Pourdeyhimi, Matthew Fisher
North Carolina State University

Modeling & Simulation Best Student Paper Award
Sponsored by Simio LLC
Olanrewaju Oluwasegun
Texas State University
“Multi-stage Stochastic Programming for Prepositioning Relief Supplies Considering Expiration Dates”

Energy Systems Division Outstanding Young Investigator Award
Chaoyue Zhao
Oklahoma State University

Engineering Economy Division Teaching Award
Letitia Pohl
University of Arkansas

Lean Division Teaching Award
Sponsored by Lean Enterprise Value Foundation
William Edwards
Kettering University

Logistics & Supply Chain Division Outstanding Industry Practitioner Award
Rodolfo Portillo
Amazon

Manufacturing & Design Division Outstanding Service Award
Janis Terpenny
Pennsylvania State University

Modeling & Simulation Division Teaching Award
Sponsored by Simio LLC
Barry Nelson
Northwestern University

Operations Research Division Teaching Award
Russell King
North Carolina State University

Quality Control & Reliability Engineering Division Golomski Best Paper Award
Ameneh Forouzan Deh Shahraki and Om Prakash Yadav
North Dakota State University
“Selective Maintenance Optimization for Multi-state Systems Operating in Dynamic Environments”

Sustainable Development Division Excellence in Sustainable Development Award
“Rise Against Hunger”
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