

Professional Society Fellow Designations

1. Institute for Operations Research and the Management Sciences, 2022.

Citation: For advanced theoretical research and use-inspired models for addressing location, layout, security, and HAZMAT transport problems; and for sustained outstanding academic education and leadership.

Note: Only 0.1% of the membership can receive a fellow award each year (currently at a maximum of 12)

2. Institute of Industrial and Systems Engineers, 2006.

This designation recognizes outstanding leaders of the profession who have made significant, nationally recognized contributions to industrial and systems engineering.

Research Awards

1. 2024 Koopman Prize, Military and Security Society, INFORMS. For the paper: M. Moskal, E. Dasdemir and R. Batta, "Unmanned Aerial Vehicle Information Collection Missions with Uncertain Characteristics," *INFORMS Journal on Computing*, Vol. 35, No. 1, (2023), pp. 120-137.

As stated on the INFORMS website, this Prize was named after Bernard Koopman, a founding father of military operations research. It is awarded for the outstanding publication in military operations research of the previous year.

Note: At most one award each year.

2. 2023 Lifetime Achievement in Locational Analysis Award, Section on Locational Analysis, INFORMS.

The Lifetime Achievement in Location Analysis (LALA) award is a triennial honor awarded to a person who has made significant lifetime contributions to location analysis research. The award is given every third year at the closing dinner of ISOLDE, the International Symposium on Locational Decisions (<http://isoldeconference.org/>).

Note: Award is made every three years, usually to one person, sometimes to two people. Only one recipient in 2023.

2. 2022 Frank and Lillian Gilbreth Industrial Engineering Award, Institute of Industrial and Systems Engineers.

This is the highest and most esteemed honor bestowed by IISE. 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.

Note: At most one award each year.

3. 2020 MOR Journal Award, Military Operations Research Society. For the paper: M. Moskal and R. Batta, "Adaptive Unmanned Aerial Vehicle Surveillance Using a Prize-Collecting Vertex Routing Model," *Military Operations Research*, 24,4, (2019), 5-22.

Each year the journal editor selects the best paper published in *Military Operations Research*.

Note: At most one award each year.

4. 2018 Koopman Prize, Military and Security Society, INFORMS. For the paper: Y. Xia, R. Batta and R. Nagi, "Routing a fleet of vehicles for decentralized reconnaissance with shared workload among regions with uncertain information," *Operations Research*, Vol. 65, No. 3, (2017), pp. 674-692.

As stated on the INFORMS website, this Prize was named after Bernard Koopman, a founding father of military operations research. It is awarded for the outstanding publication in military operations research of the previous year.

Note: At most one award each year.

5. 2016 Award for Technical Innovation in Industrial Engineering, Institute of Industrial and Systems Engineers.

As stated on the IISE website, this award honors a single innovative technical contribution to the industrial engineering profession that may be recognized in any of several forms, including theory, design, application, implementation, and leadership, to name a few.

Note: At most one award each year.

6. 2013 Best Paper Award for the journal *IIE Transactions: Design and Manufacturing*. For the paper: M. Zhang, R. Batta and R. Nagi, "Designing Manufacturing Facility Layouts to Mitigate Congestion," Vol. 45, No. 4, (2011), pp. 132-145.

Each year the journal editor selects the best paper published in *IIE Transactions: Design and Manufacturing*.

Note: At most one award each year.

7. 2012 AIIMS-MOPTA Optimization Modeling Competition Winner, Lehigh University.

The yearly AIMMS/MOPTA Optimization Modeling Competition attracts entries from around the world. The challenge problem for 2012 related to scheduling smart grids. Gina Galindo, Ruben Yie (both doctoral students) and Rajan Batta (faculty) were the winners.

Note: At most one award each year.

8. 2008 Dr. David F. Baker Distinguished Research Award, Institute of Industrial and Systems Engineers.

As stated on the IISE website, this award recognizes outstanding research in the profession. This award is for a career of accomplishments that broadly benefited practitioners, organizations, or other researchers rather than for a single activity or application.

Note: At most one award each year.

9. 2007 SUNY Research Foundation Award for Research and Scholarship.

The Research and Scholarship Award is the highest honor the Research Foundation can bestow on SUNY faculty for their outstanding scholarly and research contributions.

10. 2005 MOR Journal Award, Military Operations Research Society. For the paper: S. Mishra, R. Batta and R. J. Szczerba, "A Rule-Based Approach for Aircraft Dispatching to Emerging Targets," *Military Operations Research*, 9,3, (2004), 17-30.

Each year the journal editor selects the best paper published in *Military Operations Research*.

Note: At most one award each year.

11. 2002 Sustained Achievement Award, Exceptional Scholar Program, University at Buffalo.

According to the UB website, the Exceptional Scholar Award for Sustained Achievement recognizes an unprecedented accomplishment in a senior scholar's career.

Teaching Awards

1. 2015 Albert G. Holzman Distinguished Educator Award, Institute of Industrial and Systems Engineers.

As stated on the IISE website, this award is for significant contributions to the industrial engineering profession by an outstanding educator.

Note: At most one award each year.

2. 2014-15 University at Buffalo Excellence in Graduate Student Mentoring Award.

As per the UB graduate school website, this award reward recognizes truly outstanding and sustained support and development of graduate students from course completion through research and subsequent career placement.

3. 2007 SUNY Chancellor's Award for Excellence in Teaching.

This is the highest teaching award available from the State University of New York system.