

# IISE Transactions Webinar

Tuesday, August 2, 2022 | 10-11 a.m. US CDT

Zoom Meeting ID: 948 4936 3751, Passcode: 123923

## Homeland Security Research Opportunities

Homeland security research has gone through a significant transformation since the events of September 11, 2001, and continues to evolve. This talk discusses opportunities that the industrial engineering and operations research communities can seize. By drawing together insights from thought leaders in these communities, a path outlining research problems and discovery is provided that will serve to guide industrial engineering and operations research innovations and help move homeland security research forward over the next decade. This webinar is based on an *IISE Transactions* [perspective paper of the same title](#), co-authored by both speakers and Alexander Nikolaev.

### Speakers



**Laura Albert**, PhD, is a Professor and the David Gustafson Department Chair of Industrial & Systems Engineering at the University of Wisconsin-Madison. Her research interests are in the field of operations research, with a particular focus on applications in the public sector. She has been awarded many honors for her research, including the American Association for the Advancement of Science (AAAS) Fellow Award, Institute of Industrial and Systems Engineers (IISE) Fellow Award, the INFORMS Impact Prize, a National Science Foundation CAREER award, and a Department of the Army Young Investigator Award, and a Fulbright Award. She is the author of the blogs “Punk Rock Operations Research” and “Badger Bracketology.”



**Sheldon Jacobson**, PhD, is a Founder Professor in the Department of Computer Science at the University of Illinois at Urbana-Champaign. He has a BSc and MSc (both in mathematics) from McGill University, and a PhD (in operations research) from Cornell University. Jacobson's research focuses on data-driven risk-based decision-making applied to problems in public health and public policy. He has been working on the design and analysis of aviation security systems using operations research and artificial intelligence models since 1995. He has received numerous awards for this research, including a John Simon Guggenheim Memorial Foundation Fellowship, the IISE David F. Baker Distinguished Research Award, the INFORMS Impact Prize. He is an elected Fellow of INFORMS, IISE, and the American Association for the Advancement of Science (AAAS).

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