

Mississippi State University - Industrial & Systems Engineering

Faculty Research Interests

Kari Babski-Reeves, CPE, Associate Professor
Ph.D., Mississippi State University

- *Human Factors and Ergonomics*
- *Work-related Musculoskeletal Disorders*
- *Worker and Muscle Fatigue*
- *Occupational Safety and Health*

Linkan Bian, Assistant Professor
Ph.D., Georgia Institute of Technology

- *Additive Manufacturing*
- *Uncertainty Quantification*
- *Data Mining*
- *Reliability and Sustainability of Complex Systems*
- *Supply Chain and Logistics*

Stanley F. Bullington, PE, Professor
Ph.D., Auburn University

- *Management Systems Engineering*
- *Design and Control of Production Systems*
- *Supply Chain Management*
- *Quality Management*

Reuben Burch, Assistant Professor
Ph.D., Mississippi State University

- *Human Factors and Ergonomics*
- *Human / Technology Interaction*
- *Generational Cohort Characteristics*
- *Industrial Technology Research & Development*

Ra'ed Jaradat, Assistant Professor
Ph.D., Old Dominion University

- *Complex System Explorations*
- *Systems Engineering and Engineering Management*
- *Risk Management and Human Behavior*
- *Systems Thinking and System of Systems*

JungFeng Ma, Assistant Professor, Ph.D., The
Pennsylvania State University

- *Multi-Criteria/Disciplinary Design Optimization*
- *Machine Learning/Data Mining*
- *Supply Chain/Logistics Modeling and Management*
- *Sustainability Driven Product
Design/Manufacturing*
- *Engineering Education*

Mohammad Marufuzzaman, Assistant Professor
Ph.D., Mississippi State University

- *Stochastic Programming*
- *Decomposition Methods*
- *Disaster Preparedness and management*
- *Supply Chain Modeling and Optimization*

Brian Smith, Assistant Professor
Ph.D., University of Arkansas

- *Management Systems Engineering*
- *Quality Engineering and Management*
- *Healthcare Logistics and Scheduling*
- *Performance Measurement and Process
Improvement*

Lesley Strawderman, PE, Associate Professor
Ph.D., The Pennsylvania State University

- *Human Factors and Ergonomics*
- *Transportation Safety*
- *Service Quality and Usability*
- *Engineering Education*

Wenmeng Tian, Assistant Professor
Ph.D., Virginia Polytechnic Institute

- *Sensing and Analytics for Manufacturing Systems*
- *Heterogeneous Data Fusion for Process
Improvement*
- *Statistical Quality Control*
- *Variation Management for Complex Systems*

John M. Usher, PE, Professor and Head
Ph.D., Louisiana State University

- *Systems Simulation Modeling and Analysis*
- *Design and Analysis of Production Systems*
- *Application of Artificial Intelligence in
Manufacturing*
- *Database Design and Development*