



Edward Huang, PhD

Associate Professor, Systems Engineering and Operations Research Department

Education

PhD, Industrial and Systems Engineering, Georgia Institute of Technology

Key Interests

Risk Mitigation | Resilience | Model-Based Systems Engineering | Facility Design | Supply Chain | Optimization | Simulation | Transportation Systems | Digital Engineering

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SELECT PUBLICATIONS

- › Huang, E., *et al.* (2018). TRobust model for the assignment of outgoing flights on airport baggage unloading areas. *Transportation Research Part E: Logistics and Transportation Review* 115, 110-125.
- › Zhao, H., *et al.* (2018). Clinical trial supply chain design based on the Pareto-optimal trade-off between time and cost. *IIE Transactions*, 50(6), 512-524.

Research Focus

My research interests are in the area of model-based systems engineering, risk optimization and facility design. I received my Ph.D. in Industrial & Systems Engineering from Georgia Institute of Technology. Prior to joining George Mason, I worked as a senior system engineer at Optym.

Current Projects

- Model-based Systems Engineering: System Modeling Language (SysML), Model Verification, Control Modeling, and Model Transformation.
- Risk Mitigation: Stochastic Programming, Risk Measurement, Risk Mitigation and Resilience-Driven System Design.
- Facility Planning and Design: Strategic Supply Chain Network Design, Distribution Planning, and Manufacturing Systems Design.