Applied Operations Research Lab
Department of Industrial and Systems Engineering
308A Bell Hall
University at Buffalo

Lab Coordinator:

Rajan Batta, SUNY Distinguished Professor

Applications of Operations Research, especially those in humanitarian relief operations and in military mission planning

Doctoral Students:

John Becker

Degree Program: Doctor of Philosophy, Industrial and Systems Engineering

Dissertation Title: TBD

Professional Interests: Stochastic Vehicle Routing, Network reliability, Graph traversal

Book Chapter:

Journal Publications:


Krystal Coleman

**Degree Program:** Doctor of Philosophy, Industrial and Systems Engineering

**Dissertation Title:** TBD

**Current Research:** Graph Machine Learning in Combinatorial Optimization

**Web information:** [LinkedIn | Krystal Coleman](#)

Esther Jose

**Degree Program:** Doctor of Philosophy, Industrial and Systems Engineering

**Dissertation Title:** Optimization of Information Collection using Spatio-temporal methods

**Area of Study:** Applied Operations Research in Military and Disaster Relief

**Book Chapter:**

Journal Publications:


Grants:

1. Jose, E., Lammers, W., Gerdes, R. (October 2023). Natural Hazards Center Weather Ready Research Award Program supported by the National Science Foundation. Motivated reasoning and burn ban decisions by county commissioners. Amount: $7,500.


Web Information: LinkedIn | Esther Jose
Mina Samiei nasab

**Degree Program:** Doctor of Philosophy, Industrial and Systems Engineering

**Dissertation Title:** TBD

**Area of Study:** Applications of Operations Research, Machine Learning, and Deep Learning

**Journal Publications:**


**Web Information:** [LinkedIn | Mina Samiei nasab]
**Nastaran Oladzad**

**Degree Program:** Doctor of Philosophy, Industrial and Systems Engineering

**Dissertation Title:** TBD

**Area of Study:** Applications of Operations Research and Machine Learning/ Deep Learning tools in Search Theory and Information Collection

**Book Chapter:**


**Journal Publications:**


**Conference Publications:**


**Web Information:** [LinkedIn | Nastaran Oladzad](#)

**Master's Students:**

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**Rahul Bharadwaj Ravishankar**

Degree Program: Master of Science, Industrial and Systems Engineering

**Thesis title:** TBD

**Current research:** Vehicle routing with dynamic risk considerations

**Professional Interests:** Applications of operations research, Supply chain and Logistics systems.

**Web information:** [LinkedIn | Rahul Bharadwaj Ravishankar](#)
Sumanth Meela

Degree Program: Master of Science, Industrial and Systems Engineering

Thesis title: TBD

Professional interest: Applications of Data analytics

Web Information: LinkedIn | Sumanth Meela

Undergraduate Students:

Nina Gomez

Degree Program: Bachelor of Science, Industrial Engineering and Bachelor of Arts, Sociology

Research Project Title: School Redistricting to Reduce Segregation in NY Public Schools

Professional Interests: Applications of operations research and data analytics in the public sector

Web Information: LinkedIn | Nina Gomez

For information on former students of the lab, publications, etc., please go to www.acsu.buffalo.edu/~batta