



ISCAM 2018

Rochester Institute of Technology
Rochester, NY, USA

TRACK: Analytical Modeling and Simulation

15th International Conference on
INFORMATION SYSTEMS FOR CRISIS RESPONSE AND
MANAGEMENT

“Visualizing Crisis”

Workshops and Doctoral Symposium May 20th, 2018

Conference May 21st-23rd, 2018

Rochester New York - USA
Rochester Institute of Technology (RIT)
<https://iscram2018.rit.edu/>

INTRODUCTION TO THE TRACK

The aim of this track is to discuss the development and application of analytic problem-solving techniques, including simulation, optimization, and statistical analysis, which can help improve decision making in the context of disaster operations management (DOM). The development of such techniques is critical as part of an integrated approach that combines the various aspects of DOM through visual representation and reasoning. Such analytic tools can be particularly useful for managing disasters when integrated with visual analytics because better visual representation results in improved training, planning, response, mitigation, and recovery

This track invites both theoretical and applied research papers discussing topics relevant to the concepts of modeling and simulation. Its overall purpose is to provide a dedicated venue for such research to be shared and discussed, and thus to highlight the breadth and depth of efforts to improve the effectiveness and

efficiency of managing disaster operations. In honor of this year's conference theme, submissions which explicitly consider visualization in crisis management will be particularly welcome.

TRACK TOPICS

Possible topics of interest for this track include the following:

- Quantitative modeling and process optimization associated with mitigation, preparedness, response, or recovery
- Modeling and analysis of disaster resilience
- Simulation modeling and analysis
- Stochastic optimization and modeling
- Data mining and information analysis

AUTHORS AND REVIEWERS RECRUITMENT

The team of track chairs has academic experience in both information technology and in engineering, as well as real-world experience in applied operations management; they will thus be recruiting a diverse group of new participants and reviewers for the track. Because this is also the eighth year in a row that the track will be offered at the ISCRAM conference, previous contributors and reviewers will be encouraged to participate again.

TRACK CHAIR AND CO-CHAIR

Both track chairs are long-time active ISCRAM members, and have served as track chairs or co-chairs for the Analytical Modeling and Simulation Track for past ISCRAM conferences.

pictures	Names, e-mail, short bio and affiliation
	<p>Christopher Zobel* ; czobel@vt.edu; Virginia Tech</p> <p>Christopher Zobel (Chair) is a professor of Business Information Technology at Virginia Tech, and a past member of the Board for the ISCRAM Association. He has been one of the Track chairs for the Analytical Modeling and Simulation track at ISCRAM since 2011, and he was one of the editors for the 2010 ISCRAM Proceedings, along with Simon French and Brian Tomaszewski. Dr. Zobel's research on disaster operations management modeling and simulation has been published in a number of different academic journals, including Decision Sciences, Decision Support Systems, and the Journal of Humanitarian Logistics and Supply Chain Management.</p>
	<p>Josey Chacko ; chacko@msmary.edu; Mount St. Mary's University</p> <p>Josey Chacko (Co-chair) is an assistant professor at Mount St. Mary's University. He has been one of the Track chairs for the Analytical Modeling and Simulation track since 2015. Dr. Chacko's research, which has been published in Decision Support Systems, addresses disaster operations management and policy analysis with a focus on stakeholder-based, values-driven modeling and simulation. Prior to his doctoral work in the US he served as a department head for a manufacturing firm in Kenya.</p>

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