

TRACK 14: Analytical Modeling and Simulation

21st International Conference on
INFORMATION SYSTEMS FOR CRISIS RESPONSE AND MANAGEMENT

“Theme: Embracing the Crisis Management Lifecycle”

Conference May 25th-29th, 2024

Münster - Germany

University of Münster and State Fire Service Institute North Rhine-Westphalia
<https://iscram2024.ercis.org/>

THE TRACK OVERVIEW

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 crisis management. The development of such techniques is critical as part of an integrated and interdisciplinary approach that combines the various aspects of crisis management to support informed and effective decision making.





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 crisis management. In honor of this year's conference theme, submissions that explicitly consider the crisis management lifecycle will be particularly welcome.

TRACK TOPICS

Possible topics of interest for this track include, but are not limited to the following:

- *Modeling the crisis management lifecycle*
- *Quantitative modeling/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*

TRACK CO-CHAIRS

	<p><i>Christopher Zobel*</i> czobel@vt.edu <i>Virginia Tech</i></p>
	<p><i>Andrew Arnette</i> aarnette@vt.edu <i>Virginia Tech</i></p>
	<p><i>Duygu Pamukcu</i> duygu.pamukcu@hec.ca <i>HEC Montreal</i></p>
	<p><i>Josey Chacko</i> chacko@msmary.edu <i>Mount St Mary's University</i></p>

**Corresponding Chair*



ISCRAM

