TRACK 7: IT Solutions for Crisis Management

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

IT solutions play a vital role in crisis management by providing real-time information, enhancing situational awareness, and facilitating efficient decision-making processes. These solutions can include various technologies such as data analytics, artificial intelligence, cloud computing, and Internet of Things (IoT) devices. By leveraging IT solutions, crisis management teams can improve their response time, enhance the accuracy of information sharing, and optimize resource allocation. For instance, real-time data analysis can help to identify patterns, predict potential risks, and enable proactive measures to mitigate the impact of crises.

This track aims to explore the latest advancements and innovative approaches in IT solutions (which can either be complete software systems or (open source) components for specific tasks) for crisis management. It will provide a platform for researchers as well as practitioners to present their findings, exchange ideas, and discuss emerging challenges and opportunities in this field. Live demonstrations are welcomed as well.

TRACK TOPICS

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

- *(Open-source) software tools for real-time incident monitoring and situational awareness.*
- *Integration of (open-source) components in command and control systems for effective coordination and communication among first responders.*
- *Development of (open-source) decision support systems tailored for crisis management, considering the specific needs of first responders.*
- *(Open-source) platforms for resource management and allocation during crisis situations, ensuring efficient utilization of available assets.*
- *Use of (open-source) data analytics frameworks for predictive modeling and early detection of potential crises.*
- *(Open-source) mobile applications that provide critical information and support to first responders in the field.*
- *(Open-source) solutions for secure and resilient communication networks for first responders.*
- *Collaborative (open-source) platforms for multi-agency coordination and information sharing in crisis response.*
- *(Open-source) tools and frameworks for strategic planning in crisis management, considering factors such as risk assessment and scenario modeling.*
- *Case studies and best practices in the implementation of (open-source) components and full systems for crisis management, highlighting their impact on supporting first responders and strategic decision-making.*

TRACK CHAIR AND CO-CHAIR

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Organized by the University of Münster and State Fire Service Institute North Rhine-Westphalia on behalf of ISCRAM association.