ISCRAM 2018

Rochester Institute of Technology
Rochester, NY, USA

TRACK: Ethical, Legal, and Social Issues (ELSI)

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

"Visualizing Crisis"

Workshops and Doctoral Symposium May 20th, 2018

Conference May 21nd-23th, 2018

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

INTRODUCTION TO THE TRACK

This track invites contributions that enhance understanding of Ethical, Legal and Social Issues (ELSI) around information and communication technology in crisis response and management. The aim is to inform high quality transformative, careful and responsible innovation. We seek papers that explore ELSI at the juncture of organisational, technological, and social innovation, policy, and lived practice.

Visualising Crisis

A picture says more than a thousand words. This is sometimes true and often not. Often a verbal summary from a trusted professional colleague can be more valuable than a video from a drone camera. Moreover, digital technologies are not neutral tools. The overarching

theme of the ISCRAM 2018 conference: 'Visualising Crisis' provides a welcome focus for an examination of the visual politics, complex challenges, and intended and unintended consequences of crisis response and management through visual techniques.

From seismic charts to satellite photography and mass media images of suffering, we make sense of crises through what we see. However, visualisations do not simply open a window onto a disastrous reality. They cannot reflect the world in its multi-dimensional spatio-temporal, socio-economic complexity. To visualise, people must select, abstract, connect. VIsualisations mediate understanding of the causes of crises and their unfolding consequences, as well as expectations and interpretations of the disaster response efforts. Visualisations, maps, images have or indeed 'are', one might say, an epistemology, ethics and politics. There are ethical, legal, and social practices, conventions, and rules that shape their use.

This raises many questions, including (but not limited to): The relationship between complex realities and their capture in images or maps, visual literacies, the ethical, legal, and social effects of visualisations, and visual abstraction and selection, the line between interpretation and misrepresentation, different abilities to read visualisations. Who/what is on the map and what is not? How might ethical, legal and social considerations support "better" visualisation? How to fold such considerations into designing technology for visualisation? What are the experiences of practitioners and other actors directly involved in crisis management?

Addressing any phase within the crisis management cycle (prevention, preparation, response and recovery), contributions to this track should focus on visualisation for crisis response and management.

TRACK TOPICS

Track topics include, but are not limited to investigations into theories and practices of:
- The social and material practices of producing and using visualisations
- Critical examinations of the epistemologies and politics of specific visualisations
- Visual data protection, transformations of privacy, privacy preserving technologies
- Cultural and social aspects of visualizing crises focusing on practices
- Testimonials of the production and use of visualization in crisis management activities

AUTHORS AND REVIEWERS RECRUITEMENT

We have an established network of reviewers. We have run this track since 2013 (in various constellations of this core team). Since 2013 the momentum of this work has grown, as has its importance. We will strive to recruit new authors and reviewers.

TRACK CHAIR AND CO-CHAIR

Monika Büscher*

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Lancaster University

Monika Büscher is Professor of Sociology at Lancaster University and Director of the Centre for Mobilities Research. Her research explores the digital dimension of contemporary 'mobile lives' with a focus on IT ethics. She leads research on

the informationalization of risk governance in a range of projects, e.g. BRIDGE, SecInCoRe. She edits the book series *Changing Mobilities* (Routledge) with Peter Adey.

Monika is the initiator of the www.isITethical.eu platform, which develops guidance for ethical innovation in collaborative information management for disaster risk management. The open community platform brings together three different groups:

- scholars with expertise in ethics, law and social science
- practitioners who experience and resolve ethical, legal and social challenges in their daily use of information and communication technologies
- developers of digital networks and technologies

She now leads a team working with the Public Safety Europe Network (PSCE, www.psc-europe.eu) to develop this platform as a public resource for ethically sensitive high quality innovation. This work builds upon several EU projects in the domains of healthcare, disaster risk management. Monika has also led the Ethical, Legal and Social Issues (ELSI) Track for the international ISCRAM Conference (Intelligent Systems for Crisis Response and Management) in 2013, 2014, and 2015; she was a member of the track team in 2016 and 2017, and is leading the track again in 2018.

	Katrina Petersen katrina.petersen@trilateralresearch.com Trilateral Katrina Petersen received her PhD in 2014 from University of California, San Diego in Communication and Science Studies. Her research explores the socio-technical work of engaging difference by examining how environmental values and disaster risks are bound to social and scientific interactions with technology. She focuses on the collaborative production of visual representations, data sets, and engineering ontologies that form the basis for sharing information between diverse and distributed actors. Katrina is a Senior analyst at Trilateral. She has been on the ELSI Track Organising Team since 2015
	Hayley Watson hayley.watson@trilateralresearch.com Trilateral Hayley joined Trilateral in 2012 and currently leads the crisis team. She has a background in research that examines the role of the public in preparing for and responding to crises through my work on the sociology of disaster and terrorism. She manages several EU projects and tenders related to crisis management and security

	related issues. Hayley has been one of the core ELSI Track organisers since 2013
	Caroline Rizza *caroline.rizza@telecom-paristech.fr* Telecom ParisTech Caroline Rizza, PhD, is an Associate Professor in Information and Communication Sciences since 2005, working in the Economic and Social Sciences Department of Télécom Paristech (Paris, France). She is currently a member of the laboratory I3 (Interdisciplinary Institute on Innovation) UMR 9217 – CNRS at Telecom ParisTech. She has been one of the core ELSI Track organisers since 2013.

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