



Natech 2023

The 7th International Symposium on Natural Hazard-Triggered Technological Accidents: Strategies to Address Challenges of Climate Change under a Post-Covid-19 Era

Background

Natural hazard-triggered technological accidents involving releases of hazardous materials are known as Natechs. In the past three decades, many research efforts have been made, leading to improved management and risk reduction of geological, flood- and lightning-related Natech events. In the future, hydro-meteorological hazards may cause Natech events more frequently due to climate change. Moreover, due to the Covid-19 pandemic, experts have warned that the effectiveness of safety and Natech risk reduction measures has been negatively affected. Thus, these factors make it more challenging for risk managers to have adequate strategies for Natech risk reduction.

In summary, collaboration among scientists, public authorities, industries, and communities is needed to enhance risk awareness and societal resilience. In order to contribute towards this goal and advance international cooperation in Natech risk management and respond to the challenge of climate change under the post-Covid-19 era, we are pleased to invite you to attend the 7th Natech Symposium which will be held in Chengdu, China on June 29-30. This symposium is aimed at exchanging scientific knowledge in the field of Natech risk management through sharing experiences, good practices, innovative risk assessment methods, sustainable risk management strategies, and comprehensive risk reduction measures on Natech.

Important Dates

Deadline for abstract submission (300-500 words)*	30 th April, 2023
Notification of acceptance	15 th May, 2023
Registration deadline	30 th May, 2023
Agenda release	10 th June, 2023
The 7 th Natech Symposium	29 th , 30 th June, 2023

*The abstract should be in English

A special issue is considered in the *Journal of Loss Prevention in the Process Industries* or the *Journal of Integrated Disaster Risk Management* depending on the number and quality of the manuscripts. Therefore, we encourage participants to submit full manuscripts.

Topics

- New challenges in Natech risk management
- Lessons learned from past Natech data
- Improvement and practice of Natech risk assessment
- Climate change and its impact on Natech risk formation
- Measures for building a more resilient community against Natech

- Cognition and theoretical research on Natech disaster risk reduction
- Impacts of the Covid-19 pandemic on the changes in industrial vulnerability
- Evolution of Natech risk management (in China)
- What is the status of Natech risk governance in China and beyond
- Experiences in Natech risk management regulatory issues
- A multidisciplinary perspective to manage Natech risk
- Climate change adaptation initiatives to improve Natech risk management, especially for the infrastructures of new industrial/technologies
- How to address Natech risk management on new technologies
- The ongoing Natech events occurred in the 2023 Turkey–Syria Earthquake
- Natech risk management for energy grid resilience

Organizing Committee

- **Gretchen Kalonji**, Professor, Sichuan University, IDMR, China
- **Shin-ichi Aoki**, Professor, Osaka University, Japan
- **Ana Maria Cruz**, Professor, Kyoto University, DPRI, Japan
- **Elisabeth Krausmann**, Ph.D., European Commission, Joint Research Centre, Italy
- **Valerio Cozzani**, Professor, University of Bologna, Italy
- **Ernesto Salzano**, Professor, University of Bologna, Italy
- **Xiaolong Luo**, Ph.D., Sichuan University, IDMR, China
- **Maria Camila Suarez Paba**, Ph.D., National Unit for Disaster Risk Management, Colombia
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