
61st ESReDA Seminar On
**Technological disruptions triggered by natural events:
identification, characterization, and management**

September 22nd – 23rd, 2022, Politecnico di Torino, Lingotto building, Torino, Italy

PROGRAM

1st DAY: SEPTEMBER 22nd

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| 8.45- 9.45 | Registration |
| 9.45-10.00 | Welcome and opening |
| 10.00-11.00 | KEYNOTE LECTURE
Resilience as capacity: a proposed approach
Marcelo Masera, former Head of Unit "Energy Security, Distribution and Markets", Joint Research Center, The Netherlands |
| 11.00-11.30 | Coffee Break |
| 11.30-12.10 | Resilience indicators for a power grid with focus on natural hazards
Georgios Karagiannis, Bogdan Vamanu, Elisabeth Krausmann and Vytis Kopustinskas |
| 12.10-12.50 | A monitoring-based management approach for Natech-related risks: reflection from a case study
Emmanuel Plot, Yann Balouin, Sophie Ferreira, Marine Boutillon, Vassishtasai Ramany, Eric David, Maria Chiara Leva, Micaela Demichela and Thomas Marcon |
| 12.50-13.30 | Including natural events in dynamic risk assessments. A case study on landslides.
Tomaso Vairo, Stefania Magri and Bruno Fabiano |
| 13.30-14.30 | Lunch |
| 14.30-15.10 | Na-Tech Risk: a New Challenge for Local Planners.
Eleonora Pilone, Micaela Demichela and Gianfranco Camuncoli |
| 15.10-15.50 | Autonomous Mobile Robot (AMR) operating in internal material handling systems – problems of obstacle detection in various operational conditions
Alicja Dabrowska, Robert Giel and Sylwia Werbińska-Wojciechowska |
| 15.50-16.30 | A Game for Simultaneous Risk and Resilience Optimization
Sandra König, Stefan Rass and Stefan Schauer |

16.30-17.00 Coffee Break

17.00-19.00 ESReDa Board of Directors

20.00 Gala Dinner

2nd DAY: SEPTEMBER 23rd

10.00-11.00 KEYNOTE LECTURE
Advances in the management of NaTech events
Valerio Cozzani, Full Professor, Università di Bologna

11.00-11.30 Coffee Break

11.30-12.10 **Development of fragility models to support security vulnerability assessment in the framework of multi-risk analyses**
Giulia Marroni, Gabriele Landucci, Andrea Bartolucci, Sanneke Kuipers and Wout Broekema

12.10-12.50 **Ecological Functionality and Landscape Sensitivity Assessment for Territorial Resilience and Sustainability**
Luigi La Riccia & Angioletta Voghera, Politecnico di Torino – DIST Department

12.50-13.30 **Cascading Failures and Basic Service Disruptions - a Critical Infrastructure Perspective on Compound Events**
Evelyn Mühlhofer, Elco E. Koks and David N. Bresch

13.30-14.30 Lunch

14.30-15.00 KEYNOTE LECTURE
Impact of Natech's to SE Med Critical Infrastructure
(Distance presentation)
George Boustras, CERIDES Director, European University, Cyprus

15.00-15.40 **Hydric erosion in touristic beaches influenced by extreme rainfall events on the built infrastructure: case Hotel Ancon, Cuba.**
Omar Gutiérrez Benítez and David Javier Castro Rodriguez

15.50-17.00 Closure & announcement of the 62nd ESReDA seminar
& Farewell coffee break
