

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

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



Announcement and Call for Papers - DRAFT

Scope of the seminar

Climate change and the delays in adopting the necessary measures to manage it is increasing the number of disrupting events triggered by natural events. Sudden failures or gradual deterioration of system components due to natural events can bring to malfunctions, loss of containment and disruptions, whole likelihood is going to increase in the next future.

In recent years several methodologies and techniques have been proposed, able to take into account explicitly and in realistic way NaTech events, able to support the decision making in terms of prevention, protection, adaptation and management.

NaTech events have also another dimension to be considered, that is the territorial one, again in terms of prevention, management, and resilience.

The aim of the seminar is thus to discuss the state of the art and on-going developments in the NaTech risk assessment techniques and methodologies and to discuss their strength, weakness, and uncertainties in the assessment of the safety and resilience of complex systems.

The 61st ESReDA seminar will be held on September 22-23, 2021, hosted by Politecnico di Torino, Italy

Topics

- Methodologies and techniques for NaTech risk assessment;
- Risk assessment application and decision making;
- PSA
- NaTech risk management;
- Uncertainties;
- Prevention and protection from NaTech events;
- Resilience of infrastructures and equipment;
- Resilience of the territories;

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- Multi risk approaches;
 - Policies;
 - Case studies;
 - Analysis of occurred events;
 - Data, data sources and expertise
 - Emergency and crises management models & tools
 - Crisis management

Domains

Among others:

- Power generation & supply
- Nuclear facilities (industrial and research)
- Process industry
- Gas & Oil production, storage & transport
- ICT networks, data storage & servers
- Medical & health care
- Transport: rail, road, air and maritime
- Supply chain process
- Water supply and water works
- Land use planning

Threats

- Extreme weather conditions
- Natural threats
- Climatic changes
- Earthquake
- Flood
- Forest fire
- Landslide
- Heavy rain
- Tsunami
- Industrial & technological accidents

Chairman of the Seminar

- Micaela Demichela, Politecnico di Torino

Technical Programme Committee (TPC) To be confirmed and enriched, please

John Andrews	UK	Tomasz Nowakowski	PL
Julien Baroth	FR	Eleonora Pilone	IT
Christophe Bérenguer	FR	Rasa Remenyte-Prescott	UK
David Castro Rodriguez	IT	Kathryn Sanderson	UK
Valerio Cozzani	IT	Inga Šarūnienė	LT
Mohamed Eid	FR	Kaisa Simola	FI
Luís Ferreira	PT	John Stoop	NL
Vytis Kopustinskas	IT	Jean-Marc Tacnet	FR
Karol Kowal	PL	Agnieszka Tubis	PL
Andre Lannoy	FR	Cyp F. H. van Rijn	NL
Sverre Roed Larsen	NO	Sylwia Werbińska-Wojciechowska	PL
Eric Marsden	FR		

Local Organization Committee (LOC)

For practical local information relative to the venue, please, contact: Micaela Demichela (micaela.demichela@polito.it), Eleonora Pilone (eleonora.pilone@polito.it), and David Castro Rodriguez (david.castro@polito.it), with Antonio Guillèn (ajguillen@us.es) and Mohamed Eid (eid.etudes@gmail.com) in Cc

Relevant dates

- Submission of abstracts: **June 10th, 2022**
- Authors notification: June 20th, 2022
- Full papers: July 25th, 2022
- Date of seminar: September 22nd – 23rd, 2022
- ESReDA project group's meetings: September 21st, 2022
- ESReDA Board of Directors meetings: September 21st, 2022
- ESReDA Gala dinner: September 22nd, 2022

Procedure to submit an abstract, paper and to register

Authors wishing to present a paper are invited to submit a short abstract (max. 400 words) and author's names before the 10th of June via the [EasyChair system](#).

The full papers or extended abstracts should be submitted before the 20th of June and should address the following:

- Objectives;
- Relevance for the Seminar;
- Novelty;
- Data, Methods and findings.

Extended abstracts are an alternative to full papers. An extended abstract should be at least one page in length, and it should include a list of most relevant references (5 or 6). Both extended abstracts and full papers will be published in the EC JRC technical report.

Template of the abstract will be provided at [ESReDA website](#).

Proposals should be sent to Micaela Demichela (micaela.demichela@polito.it), Eleonora Pilone (eleonora.pilone@polito.it), and David Castro Rodriguez (david.castro@polito.it).

Registration and Seminar Fee

A registration form and the practical information package will be made available on the ESReDA website. Fees, according to ESReDA's rules, are:

- Speakers : one speaker per accepted paper is exempted.
- ESReDA members : 3 participants/member are taken in charge by the Seminar.
- Others : 300€/participant
- Accompanied persons for Gala dinner: 40€/acc. person.

To be paid by bank transfer to ESReDA account:

Holder : ESReDA
Bank : BNP Paribas Fortis Bank, Boulevard Jamar 1 D, 1060 Brussels, Belgium
IBAN : BE69 0012 3728 1678
BIC : GEBABEBB
Subject : Registration in the 61st ESReDA Seminar

Seminars Proceedings

The final proceedings of the 61st Seminar will be edited in the form of an EU Technical Report and e-published with public access.

BoD & Project Group Meetings (21 September, 2022) Politecnico di Torino

Venue

Politecnico di Torino, Torino, Italia
Available rooms will soon be defined

How to get to POLITO?

TO be updated

Accommodation

Some recommended facilities will soon be made available