



NATIONAL CENTRE FOR
SCIENTIFIC RESEARCH "DEMOKRITOS"



ESReDA | European Safety, Reliability &
Data Association

65th ESReDA Seminar

on

***From risk imagination to safety intervention -
Managing risks with knowledge***

Programme

November 14th - 15th, 2024

NCSR Demokritos, Athens (Greece)



With the kind support of: **ESRA** European Safety and Reliability Association and



AGENDA

Day 1 – Thursday 14 November 2024

Start	End	Agenda item
8:30	9:00	Registration
9:00	9:30	Welcome words from: Mohamed Eid, ESReDA president Konstantinos Eleftheriadis, NCSR Demokritos, INRASTES Director Myrto Konstantinidou, PG Leader- Seminar Chair
9:30	10:15	KEYNOTE 1. It is the assumption that kills you <i>Prof. John Stoop</i> Chairs: Mohamed Eid and Myrto Konstantinidou
10:15	11:00	SESSION 1. Knowledge and Management Chairs: Eric Marsden and Sever Paul
10:15	10:30	1. Management system for regulatory requirements applicable to environmentally classified industrial facilities <i>Emmanuel Plot, Vassishtasaï Ramany, Christophe Coll, Frederic Baudequin</i>
10:30	10:45	2. Risk management in a complex multirisk unregulated environment <i>Dan Serbanescu</i>
10:45	11:00	3. Knowledge creation for resilient cyber-socio-technical systems: framing recent research <i>Maria Luisa Villani and Antonio De Nicola</i>
11:00	11:30	Coffee break
11:30	12:15	KEYNOTE 2 (online). Technical Language Processing – unlocking information in safety data <i>Prof. Melinda Hodkiewicz</i> Chairs: Maria Luisa Villani and Antonio Guillen
12:15	13:00	SESSION 2. BAG-INTEL project Chairs: John Stoop and Panayiotis Michael
12:15	12:30	4. Risk-based Customs' Intrusive Inspection Decision Making: Algorithm & Preliminary Case study <i>Lamia Hammadi, Eduardo Souza de Cursi, Mohamed Eid, and Henrik Larsen</i>

12:30	12:45	<p>5. Processing heterogeneous data sources for risk management by knowledge graph databases: the case of BAG-INTEL research project</p> <p><i>Bartolome Ortiz-Viso, Karel Gutierrez-Batista, M. Dolores Ruiz and Maria J. Martin-Bautista</i></p>
12:45	13:00	<p>6. BAG-INTEL: A Hierarchical Multi-Cloud IoT-Edge-Cloud Architecture for Enhanced Airport Security and Operation</p> <p><i>George Bardas, Panayiotis Michael, Panayiotis Tsanakas, George Lalas and Henrik Larsen</i></p>
13:00	14:00	Lunch Break
14:00	15:30	<p>Interactive Session</p> <p>What does a management team, a regulator or a front-line operator need to know and can use in order to manage risks effectively?</p>
15:30	16:00	Coffee break
16:00	17:00	ESReDA Board Meeting (<i>different room</i>)
16:00	17:00	<p>SESSION 3. Risk Assessment</p> <p>Chairs: Frank Verschueren and Effie Marcoulaki</p>
16:00	16:15	<p>7. Quantitative Assessment of Landslide Risk to Residents on the Slope of a Hazardous Area in Malaysia.</p> <p><i>Kwan Ben Sim, Min Lee Lee, Rasa Remenyte-Prescott, Soon Yee Wong</i></p>
16:15	16:30	<p>8. Risk Assessment of Liquid Hydrogen in Transfer Operations</p> <p><i>Olga Aneziris</i></p>
16:30	16:45	<p>9. Road Tunnel Fire Safety: Introducing a new risk assessment framework as a response to the existing challenges</p> <p><i>Panagiotis Ntzeremes and Konstantinos Kirytopoulos</i></p>
16:45	17:00	<p>10. What roles for risk imagination in risk assessment?</p> <p><i>Sever Paul</i></p>
17:00	18:00	Meeting of Project Group
		End of Day 1

Day 2 – Friday 15 November 2024

<i>Start</i>	<i>End</i>	<i>Agenda item</i>
9:15	9:30	Logistics from Seminar chair
9:30	10:15	<p>KEYNOTE 3. Industry talk</p> <p><i>Asterios Lialios, Elefsis Refinery HSE Director, Safety Manager of the year 2024, Helleniq Energy S.A.</i></p> <p>Chairs: Myrto Konstantinidou and Vytis Kopustinskas</p>
10:15	10:45	<p>SESSION 4. Materials</p> <p>Chairs: Ana Lisa Vetere Arellano and Tuuli Tulonen</p>
10:15	10:30	<p>11. Vulnerabilities and disruption risks for the supply chains of the Critical Materials necessary for the clean energy transition</p> <p><i>Michalis Christou, Samuel Carrara, Patricia Alves Dias, Angel Prior Arce, Theodor Kuzov, Nicola Magnani</i></p>
10:30	10:45	<p>12. Safe and sustainable-by-design: The case of nanomaterials</p> <p><i>Effie Marcoulaki</i></p>
10:45	11:15	Coffee break
11:15	12:00	<p>KEYNOTE 4. A science of professional engineering practice: our next step towards a safer engineering industry.</p> <p><i>Bill Hewlett, MA CEng FICE FIET</i></p> <p>Chairs: John Kingston and Peter Kouwenhoven</p>
12:00	13:00	<p>SESSION 5. Critical infrastructures</p> <p>Chairs: Olga Aneziris and Michalis Christou</p>
12:00	12:15	<p>13. Enhancing Cross-Border Risk Assessment for Critical Infrastructure: Challenges, Tools and Recommendations</p> <p><i>Monica Cardarilli, Frédéric Petit, Georgios Valsamos, Ana Lisa Vetere Arellano</i></p>
12:15	12:30	<p>14. Critical Gas-Fired Power Plants in Integrated Natural Gas and Electricity Systems</p> <p><i>Ricardo Fernández-Blanco, David Pozo, and Ricardo Bolado-Lavín</i></p>

12:30	12:45	<p>15. Enhancing resilience in critical infrastructures through innovative pathways – The FIRELOGUE and STRATEGY projects approaches in emergency management</p> <p><i>Georgios Sakkas, Nikolaos Kalapodis, Danai Kazantzidou-Firtinidou</i></p>
12:45	13:00	<p>16. Lessons Learned from Coherent Resilience Tabletop Exercises in the Baltic Region</p> <p><i>Vytis Kopustinskas, Evaldas Dirginčius, Charles Lynn, Isabel Asensio Bermejo, Lawrence Walzer, Darius Aukščionis, Hrvoje Foretić</i></p>
13:00	14:00	Lunch
14:00	14:30	<p>Keynote 5 (ESRA)</p> <p>Representative from ESRA Association (TBC)</p>
14:30	15:00	Results of the Interactive Session – audience opinions
15:00	15:30	<p>Closing session - "Seminar takeaways"</p> <p>PG and TPC members</p>
15:30	16:00	Coffee and discussions
16:00		End of seminar