Welcome to D2R2'24

Third International Workshop on Linked Data-driven Resilience Research 2024

Sebastian Tramp – CTO @ eccenca

2024-05-27

Hersonissos, Greece

D2R2 — DATA-DRIVEN RESILIENCE RESEARCH

Thanks to our Program Committee!

👍

- Allard Oelen

- Angelie Kraft

- Edgard Marx

- Enrique Iglesias

- Felix Engel

- Junbo Huang

- Longquan Jiang

- Magnus Knuth

- Milan Dojchinovski

- Nenad Krdavac

- Patrick Westphal

- Paulo Ricardo Viviurka Do Carmo

- Sabine Gründer-Fahrer

- Simon Bin

- Xi Yan

📢 **09:10 - Keynote**

A Process Perspective on Representing Logistics Flows by Andreas Harth (Chair of Technical Information Systems at the School of Business, Economics and Society, University of Erlangen–Nuremberg as well as head of the Data Spaces and IoT Solutions department at Fraunhofer IIS)

🖥 **09:30 - Session 1 (Chair: Michael Martin)**

- 09:30 - **Empowering Supply Chains Resilience: LLMs-Powered BN for Proactive Supply Chain Risk Identification** by Maryam Shahsavari, Omar Khadeer, Morteza Saberi and Pankaj Sharma
- 09:50 - **Anticipate risk with the value and trade flows knowledge graph** by Felix Engel, Mark Vanin and Nenad Krdzavac
- 10:10 - **Knowledge Graph Alignment in the Context of Supply Chain Risk Management** by Rebeka Gadzo and Yushan Liu

☕ **10:30 - Coffee Break**

🖥 **11:00 - Session 2 (Chair: Sören Auer)**

- 11:00 - **Leveraging small language models for Text2SPARQL tasks to improve the resilience of AI assistance** by Felix Brei, Johannes Frey and Lars-Peter Meyer
- 11:20 - **Towards a Regional Public Dashboard for Crisis and Resilience Management** by Till Grabo, Fatih Kilic, Julia Lücke, Sabine Gründer-Fahrer, Michael Martin, Norman Radtke and Christian Danne
- 11:40 - **An Automated Evaluation Framework for Graph Database Query Generation Leveraging Large Language Models** by Bailan He, Yushan Liu, Marcel Hildebrandt, Zifeng Ding and Volker Tresp
- 12:00 - **Towards Modeling the Structure of Product Dependencies in Supply Networks to Identify Bottlenecks Among Suppliers** by Daniel Henselmann and Andreas Harth

Keynote

A Process Perspective on Representing Logistics Flows

by Andreas Harth