

International Workshop on Data-driven Resilience Research 2022

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Abstract

In the face of continuously changing contextual conditions and ubiquitous disruptive crisis events, the concept of resilience refers to some of the most urgent, challenging, and interesting issues of nowadays society. Economic value networks, technical infrastructures, health systems, and social textures alike need to unfold capacities to withstand, adapt, recover or even refine and transform themselves to stay ahead of changes.

Keywords

Crisis Information, Resilience, Knowledge Graphs, Linked Data, Semantic Web, CoyPu

The D2R2'22 workshop (<https://2022.dataweek.de/d2r2-22/>, <https://d2r2.aksw.org/>), which is organized by the CoyPu project (<https://coypu.org/>), provided an open forum to exchange current issues, ideas, and trends in the area of Data-driven Resilience Research among scientists, software engineers, resilience practitioners, and domain experts. Ongoing technological developments, current research approaches as well as use case scenarios, and field reports were presented and discussed with a broad and multi-disciplinary specialist audience. We have received contributions of novel results and ongoing work as well as position papers focusing on various aspects of Data-driven Resilience Research from a scientific or practical perspective.

The workshop was held during the Data Week Leipzig 2022 in the town hall of the City of Leipzig. The co-location of the workshop with the Data Week allowed a wide exchange among the community of Semantic Web experts, data scientist, knowledge engineers, and further interested parties.

For the workshop we have received a total of 16 contributions, out of which 11 were selected to be included in the proceedings. These are 6 full papers, 2 short papers and 3 invited papers.

International Workshop on Data-driven Resilience Research 2022, July 6, 2022, Leipzig, Germany


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 CEUR Workshop Proceedings (CEUR-WS.org)

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Acknowledgments

We want to thank all contributors and the whole program committee for their work. This work has been supported by the German Federal Ministry for Economic Affairs and Climate Action (BMWK) as part of the project CoyPu under grant number 01MK21007[A-L].