

THE IMPACT OF CRISES

ON CRITICAL INFRASTRUCTURE

INTERNATIONAL CONFERENCE
26 SEPTEMBER 2024



GEORG-CHRISTOPH-LICHTENBERG-HAUS,
DARMSTADT, GERMANY

PROGRAMME | 26 SEPTEMBER 2024

9:00 – 9:30 Registration

9:30 – 9:45 GREETINGS AND INTRODUCTION

Prof. Dr. Jens-Ivo Engels,
Chair of KRITIS, TU Darmstadt – Institute for
Modern and Contemporary History

9:45 – 11:00 PANEL 1: HABITS AND CRISIS

Moderation: **Prof. em. Dr. Alfred Nordmann**,
TU Darmstadt – Institute of Philosophy

9:45 – 10:10 Food Emergency Preparedness for Critical Infrastruc-
ture Crises in Germany – Empirical Analysis of Private
Stockpiling Behavior and Anticipation

Katharina Eberhardt, Sonja Rosenberg,
Karlsruhe Institute of Technology

10:10 – 10:35 Organization and Coordination of
Spontaneous Volunteers in Disaster Relief:
Investigating the 2023 Kahramanmaraş Earthquake
Disaster in Türkiye

Aljoscha Mayer, UNU EHS & University Bonn

10:35 – 11:00 A BRIC Portrait of the Netherlands

Tony Wei-Tse Hung, Maastricht-University

11:00 – 11:10 Coffee Break

11:10 – 12:10 **KEYNOTE LECTURE 1:**
Societies in Times of Crisis: Do Infra-
structures Provide Comfort to Amplify
Vulnerability

PD Dr. Anna-Lisa Müller,
Bielefeld University – Institute for Interdisciplinary
Research on Conflict & Violence (IKG)

12:10 – 13:00 Lunch Break

13:00 – 14:15 PANEL 2: TRUSTS AND CRISIS

Moderation: **Prof. Dr.-Ing. Uwe Rüppel**,
TU Darmstadt - Institute for Numerical Methods and
Informatics in Civil Engineering

13:00 – 13:25 Urban Vulnerability to Outer Space Events: A Case
Study Analysis of the Carrington Event and American
Northeast Coast Blackout

Ulpia-Elena Botezatu, Romanian Space Agency/Natio-
nal Institute for Research & Development in Informa-
tics – ICI Bucharest

13:25 – 13:50 AI Trust and the Black Box Problem – What Kind of
Transparency Is (Not) Necessary?

Hagen Braun, German Aerospace Center (DLR) –
Institute for the Protection of Maritime Infrastructure

13:50 – 14:15 Critical Infrastructure Resilience:
Lessons from Ukraine

Jurgena Kamberaj, ETH Zürich

14:15 – 14:30 Coffee Break

14:30 – 15:30 **KEYNOTE LECTURE 2:**
Critical Infrastructure Resilience in
Germany: Complexity and Governance

Moderation: **Elisa Berg, M.A.**,
Dr. Eva-Katharina Platzer, Federal Office of Civil Protec-
tion and Disaster Assistance

15:30 – 15:45 Coffee Break

15:45 – 17:00 PANEL 3: CRITICALITY AND CRISIS

Moderation:
Prof. Dr. Constantin Ardeleanu,
Senior Researcher, New Europe College,
Bucharest – Institute for South-East
European Studies

15:45 – 16:10 Dangerous Waters: The Impact of Crisis on Medieval
Naval Infrastructure – A Case Study from the Rhodian
Archive of the Order of St. John of Jerusalem

Letizia Curreri, TU Darmstadt

16:10 – 16:35 Crisis, Criticality, and Compromise:
Securing Infrastructure Against
Natural Disasters since 1945

Julia Mariko Jacoby,
Universität of Duisburg-Essen

16:35 – 17:00 Simulation Building Blocks for
Predicting Critical System Changes

Jacopo Bonari,
German Aerospace Center (DLR)

17:00 – 17:30 CLOSING THE CONFERENCE

Conference Dinner