

CIVIL-COMP 2023
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Special Session: CC-S3

Emergency Structures and Procedures

Organizers:

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Aims and scope of the special session:

Man-made and natural disasters cause great damages on built environment. In such event, infrastructure and large number of houses suffer damage and become unusable. The population of people living in temporary settlements after disasters is in the millions and the average stay exceeds a decade. In case of flooding, landslides or avalanches bridges are often the first to be damaged which makes rescue efforts much more difficult. Moreover, there are several dormant threats such thousands of tons of chemical weapons and chemical agents dumped into the seas, not to mention earthquakes, tsunamis etc. All these severe issues urgently require reliable solutions.

This session focuses on concepts, construction systems and methodologies which go beyond casual approaches and require extraordinary measures.