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Critical Infrastructure Resilience Assessment and Management

Guest Editor:

Prof. Dr. Abbas Barabadi

Department of Technology and Safety, The Arctic University of Norway, 6050 Langnes, 9037 Tromsø, Norway

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Message from the Guest Editor

Dear Colleagues,

Society relies on critical infrastructure (CI) to provide vital societal functions. CI is integrated system of people, ecological context and engineered system. Traditionally, the focus of CI designer and operators have been on the CI protection from adverse events. Recent events, e.g. COVID19 illustrate that it is very difficult to protect CI from all kinds of possible hazards. This makes available risk management practice, insufficient for the protection of CI. Hence, there has been a shift from the protection of CI to the resilience of CI. However, the methods for resilience management (RM) of CI have yet to be defined. For an effective resilience RM a diverse perspective including ecology, engineering, psychology, and policy, economics, and organizational sciences are needed to understand and operationalize resilience concept. The objective of this special issue is to document interdisciplinary contributions to RM from engineering disciplines as well as disciplines such as sociology, ecology, political science and so on to continue building a resilient CI knowledge community.

Prof. Dr. Abbas Barabadi

Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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