



Selected Papers from the 1st Croatian Conference on Earthquake Engineering (1CroCEE)

Guest Editors:

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Deadline for manuscript
submissions:
closed (1 August 2021)

Message from the Guest Editors

Dear Colleagues,

Earthquakes are among the most common and destructive types of natural disasters. The principal motivation of both the 1CroCEE conference and of this Special Issue is to raise the overall awareness of seismic risk in the region and to promote increased community resilience through implementation of adequate education and support to research and practice in the field of earthquake engineering. The 1CroCEE Conference themes covered topics in the field of earthquake engineering, seismic risk prevention, post-earthquake recovery, and reconstruction of buildings and infrastructures. Ten parallel sessions were organized: post-disaster recovery and reconstruction, lessons learned from earthquakes, seismic performance of structures, engineering and general seismology, geo-aspects of earthquake engineering, earthquake risk mitigation policies and management, immediate post-disaster response, geodesy in pre- and post-disaster response, urban renovation wave triggered by earthquakes and innovative technology.





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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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