Special Issue

Advanced Technologies for Construction and Smart Societies

Message from the Guest Editors

The construction industry, which has historically lagged behind in technology adoption, is facing adoption challenges with the introduction of modern digital disruptive technologies. Advanced technologies such as artificial intelligence, machine learning, computer vision, big data, Internet of Things, unmanned aerial vehicles, virtual reality, augmented reality, mixed reality, cloud computing, 3D scanning, wearable technologies, robotics, blockchain, software as a service (SaaS), 3D printing, digital twins, building information modelling, ubiquitous computing, renewable energy, autonomous vehicles, 5G communications, and geospatial and scanning technologies are disrupting the construction industry. These advanced technologies have expanded the possibilities for finding solutions to persistent construction problems and have enabled more successful projects that can be objectively measured. However, the adoption of these technologies necessitates the acquisition of modern digital skills and the upgrading of traditional systems and processes involved in construction projects to align with the initiatives of modern smart cities and societies.

Guest Editors

Dr. Amirhossein Heravi

School of Surveying and Built Environment, University of Southern Queensland, Springfield Central, QLD 4300, Australia

Dr. Fahim Ullah

School of Surveying and Built Environment, University of Southern Queensland, Springfield Central, QLD 4300, Australia

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Message from the Editor-in-Chief

Societies (ISSN 2075-4698) is an interdisciplinary journal that brings together different scientific approaches to engage with societal questions to enhance our understanding of the social realm throughout history. The journal publishes original empirical research papers, literature reviews, and conceptual papers. Our aim is to publish papers that have a significant impact on addressing present and emerging societal questions. Therefore, we encourage researchers to publish their results in as much detail as possible. For empirical research papers and literature reviews, all experimental details must be provided, so that the results are reproducible. We also encourage the publication of timely theoretical pieces on topics of interest to existing and emerging societal questions. Papers are either published in the open journal or in Special Issues devoted to specific topics of interest to the field.

Editor-in-Chief

Prof. Dr. Gregor Wolbring
Community Rehabilitation and Disability Studies, Cumming School of Medicine, University of Calgary, Calgary, AB T2N 4N1, Canada

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