Special Issue

Intelligent Techniques and 3D Virtual Reconstruction for Architectural Heritage

Message from the Guest Editors

As digital technologies continue to evolve, they offer new opportunities to enhance the conservation, restoration, and analysis of historical buildings and monuments. We seek research papers, case studies, and reviews that explore innovative applications of 3D modeling, virtual reality, artificial intelligence, and other smart technologies for the preservation of cultural heritage. Topics of interest include, but are not limited to, the use of Building Information Modeling for heritage sites (BIM/HBIM), AI-based methods for automated reconstruction, the integration of computational design techniques into advanced workflows, and the role of virtual reality in immersive heritage experiences. We encourage submissions that demonstrate the potential of digital tools to improve our understanding of architectural history, as well as the preservation and sustainable management of architectural landmarks. Researchers, practitioners, and experts in the fields of architecture, archaeology, computer science, and digital heritage are invited to contribute to this Special Issue, which explores the future of heritage preservation.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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