Special Issue

Selected Papers from the REHABEND 2024 Congress

Message from the Guest Editors

The increasing importance of refurbishing, rehabilitating, and conserving existing buildings and infrastructure, especially historical heritage, has highlighted the necessity of establishing effective methods for analyzing, planning, and implementing construction rehabilitation measures as well as maintenance and management strategies. As the world grapples with the preservation and sustainable use of architectural heritage, the 10th Edition of the REHABEND Congress (REHABEND 2024, https://www.rehabend.unican.es) emerges as a suitable platform. Its primary objective is to facilitate knowledge exchange among experts from different countries who are deeply involved in these crucial topics. The REHABEND Congress on 'Construction Pathology, Rehabilitation Technology, and Heritage Management' will delve into the remarkable progress achieved in recent years in the theoretical and experimental realms of these subjects. As a testament to this advancement, this volume will feature a curated selection of the finest papers presented at the REHABEND 2024 conference.

Guest Editors

Dr. Ignacio Lombillo

Dr. Haydee Blanco

Dr. Yosbel Boffill

Dr. Alfonso Lozano

Deadline for manuscript submissions

closed (30 November 2024)

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About the Journal

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.

Editor-in-Chief

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