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Materials and Design for Advanced Functional Pavements

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Deadline for manuscript submissions:
closed (31 March 2024)

Message from the Guest Editors

The Chinese-European Workshop (CEW) on Functional Pavement was founded in 2010 to promote activities relating to experimental characterization, advanced modeling, material development and production, and design and construction of functional pavements. The workshop provides academics, researchers, practitioners, and administrators from China, Europe, and worldwide a unique and rewarding opportunity to present and forward emerging ideas.

The 7th CEW Conference (CEW2023) will be held in Birmingham, the goal of CEW2023 is SMART+, which represents Sustainable, Safer, Multi-functional, Advanced Pavements for Tomorrow. Selected authors from the CEW2023 are invited to submit their extended papers to this Special Issue. Moreover, we also encourage researchers who were unable to participate in the CEW2023 to submit their research outcomes to this edition, which will be fully peer-reviewed for further selection and publication.

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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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