# **Special Issue**

# Smart Construction Ecosystems: Enhancing Safety and Sustainability Through Emerging Technologies

# Message from the Guest Editors

The construction industry is currently undergoing a technological revolution driven by the integration of smart systems and emerging digital tools. Technologies such as BIM, IoT, AI, and Digital Twins are transforming traditional construction methods into intelligent, datadriven processes. These advancements enable realtime monitoring, improved decision-making, enhanced safety protocols, and greater environmental sustainability across the project lifecycle. As global demand for sustainable and resilient infrastructure grows, the need for smarter, more connected construction ecosystems has become increasingly urgent. Smart construction not only enhances operational efficiency but also contributes to safer work environments and reduced environmental impacts. This Special Issue explores how these emerging technologies are reshaping construction management, design, and on-site execution. Topics range from safety analytics and automation to sustainable materials and digital project delivery. Ultimately, this Special Issue provides a platform to advance the vision of a smarter, safer, and more sustainable built environment.

#### **Guest Editors**

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## Deadline for manuscript submissions

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## Editor-in-Chief

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