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Combining art, science, and technology, research showcased in this book deals with a multi-disciplinary approach to planning, design, construction, and operation, such as analysis and integrated design of environmental systems, structural systems, behavior, and properties of building components and materials, in addition to construction management and landscape architecture, with the help of Digital Technologies and Integrated Systems.

This book is devoted to a wide range of subfields in the engineering sciences and showcases a broad spectrum of contributions and discussions from researchers, academics, students and practitioners from the Architecture, Engineering and Computer Science disciplines. Covering a wide range of subfields that are in keeping with the aims and scope of the theme, the Fourth Edition of the international conference on Architecture, Engineering and Technology (AET) was held on the 11th of January 2021, with a focus on Smart Techniques in Urban Planning and Technology.



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Part I
Architectural and Urban studies