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Nota di contenuto	Intro -- Advances in Human Factors and Ergonomics 2021 -- Preface -- Contents -- Ergonomics in Building and Architecture -- The Synthesis of the Arts and Its Influence on Modern Theatre Architecture -- Abstract -- 1 Introduction -- 2 Richard Wagner and His Idea of the 'Temple of the Arts' -- 3 The Great Theatre Reform -- 4 Unified Theatre Space -- 5 Summary and Conclusions -- References -- The Multitude of Adaptive Reuse Solutions in Sustainable Revitalization of Historic Post-military Complexes -- Abstract -- 1 Introduction -- 2 Case Studies: Six Categories of Revitalization Carried Out in Historical Military Compounds -- 3 The Perception of Regenerated Post-military Complexes -- 4 Conclusion -- References -- Meaning of Senses in the Perception and Shaping of Architecture -- Abstract -- 1 Introduction -- 2 Factors Underlying the Perception Processes -- 3 Space, Image and Emotions or in Other Words the Imaged Architecture -- 4 Summary -

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Sommario/riassunto

This book presents human factors research focused on achieving and assessing sustainability in the built environment and architecture. It reports on advanced engineering methods for architecture and design, and on assessments of the social, environmental, and economic impacts of various designs and projects. The book covers a broad range of practical studies relating to ergonomic design and assessment of public and private places, urban ecological constructions, and urban planning for smart city. Further topics include green area planning, environmentally-responsive architecture, and conservation and adaptation of vernacular architectures in modern design. Based on the AHFE 2021 Conference on Human Factors in Architecture, Sustainable Urban Planning and Infrastructure, held virtually on 25–29 July, 2021, from USA, this book offers a wealth of perspectives on sustainability and ergonomics in architecture and urban planning. As such, it represents a timely source of inspiration for designers, architects, urban planners, as well as civil and environmental engineers, and other professionals, including policy-makers, involved in the development of sustainable buildings and infrastructure.

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