1. Record Nr. UNINA990009290010403321

Autore	D'Andria, Raffaele <1951- ; , architetto>
Titolo	Tra il taglio e le onde : Museo Archeologico di Paestum : la piazza / Raffaele D'Andria
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Titolo	IoT Enabled Computer-Aided Systems for Smart Buildings / / edited by Gonçalo Marques, Jagriti Saini, Maitreyee Dutta
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Soggetti	Telecommunication Cooperating objects (Computer systems) Internet of things Communications Engineering, Networks Cyber-Physical Systems Internet of Things
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Environmental data control in smart buildings. Big Data Analysis and existing IoT Technological Systems -- Chapter 2. Need of Technological Interventions for Indoor Air Quality and Risk Assessment upon short-term exposure: A Futuristic Approach -- Chapter 3. Climate-neutral districts with decentralized energy production, E-Mobility and through the formation of an energy community exchange of electricity and heat -- Chapter 4. IoT Enabled Zero Water Wastage Smart Garden -- Chapter 5. IoT based Human Activity Recognition for Smart Living -- Chapter 6. Application of Data Mining to Support Facilities Management in Smart Buildings -- Chapter 7. Application of Artificial Intelligence in Ambient Assisted Living to Support Elderly People in Smart Homes. .
Sommario/riassunto	This book focuses on the integration of IoT and computer aided systems for the development of smart buildings. The scope of the book includes, but is not restricted to, advanced technologies for monitoring, energy management, smart gardening, protection, safety, assisted living, and intelligent operations. The authors cover the wide aspects of interconnected smart services with convenient interfacing to the end-users. The features of this book include discussion on various aspects of IoT and computer aided systems for smart architecture designs and innovative object interconnections. The book also provides highlights on the applications of IoT in the development of intelligent structures for technology-enabled lifestyles. Furthermore, it provides prominent scopes for future inventions in the field of electrical engineering, building system management, and computer-aided advancements. The content of this book is useful to graduate and post-graduate students, researchers, and professionals working on the concept of smart building, smart city, and smart environments. Provides insights to the potential of IoT and computer aided systems for smart building applications; Helps readers take relevant steps in the direction of technological integration for leading smart cities, smart buildings and smart village projects; Guides industry experts to develop more suitable and relevant systems to support smart building concepts.