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Collana	Smart Innovation, Systems and Technologies, , 2190-3018 ; ; 163
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Soggetti	Computational intelligence Sustainable architecture Thermodynamics Heat engineering Heat transfer Mass transfer Computational Intelligence Sustainable Architecture/Green Buildings Engineering Thermodynamics, Heat and Mass Transfer
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Utilization of Smart Meter Technology to Increase Energy Awareness for Residential Buildings in Queensland, Australia -- Solar Home System with Peak-Shaving Function and Smart Control in Hot Water Supply -- Using Evidence Accumulation-Based Clustering and Symbolic Transformation to Group Multiple Buildings Based on Electricity Usage Patterns -- Passivhaus Design for Housing Projects in Colombia -- LCA Integration in the Construction Industry: A Case Study of a Sustainable Building in Aveiro University -- Electrical Devices Identification Driven by Features and Based on Machine Learning -- Use of an Object-Oriented System for Optimizing Life Cycle Embodied Energy and Life Cycle Material Cost of Shopping Centres -- Combining Conservation and Users' Behaviors-Oriented Approaches for Sustainable Building Heritage Use: Application to a Historic Underground Built Environment -- Building Energy Simulation of Traditional Listed Dwellings in the UK:

Data Sourcing for a Base-Case Model -- Towards a User-Centered and Condition-Based Approach in Building Operation and Maintenance -- Internal Insulation of Historic Buildings: A Stochastic Approach to Life-Cycle Costing within RIBuild EU Project -- Assessment of the Efficiency and Reliability of the District Heating Systems within Different Development Scenarios -- Steps Towards an Optimal Building-Integrated Photovoltaics (BIPV) Value Chain in the Netherlands -- Active Buildings in Practice -- Sustainability Issues in Context of Indian Hill Towns -- A Working Methodology for Deep Energy Retrofit of Residential Multi-Property Buildings -- Holistic Dwelling Energy Assessment Protocol for Mine-water District Heat Network.

Sommario/riassunto

This volume contains the proceedings of the 11th KES International Conference on Sustainability and Energy in Buildings 2019 (SEB19) held in Budapest, 4th -5th July 2019 organised by KES International in partnership with Cardiff Metropolitan University, Wales, UK. SEB-19 invited contributions on a range of topics related to sustainable buildings and explored innovative themes regarding sustainable energy systems. The aim of the conference was to bring together researchers, and government and industry professionals to discuss the future of energy in buildings, neighbourhoods and cities from a theoretical, practical, implementation and simulation perspective. The conference formed an exciting chance to present, interact, and learn about the latest research and practical developments on the subject. The conference attracted submissions from around the world. Submissions for the Full-Paper Track were subjected to a blind peer-review process. Only the best of these were selected for presentation at the conference and publication in these proceedings. It is intended that this volume provides a useful and informative snapshot of recent research developments in the important and vibrant area of Sustainability in Energy and Buildings. .
