1. Record Nr. UNINA9910583023303321

Autore	Asdrubali Francesco
Titolo	Handbook of energy efficiency in buildings [[electronic resource]] : a life cycle approach / / edited by Francesco Asdrubali, Umberto Desideri
Pubbl/distr/stampa	Oxford : , : Butterworth-Heinemann, , [2019] ©2019
ISBN	0-12-812818-6 0-12-812817-8
Descrizione fisica	1 online resource (xxi, 836 pages) : illustrations (some colour)
Disciplina	696
Soggetti	Energy consumption Buildings - Energy conservation Sustainable Development Construction Industry Handbooks and manuals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Policies, Recommendations and Standards (International Technical Standards, Main Laws and Regulations; EU Directives; Energy Labeling) -- From Efficient to Sustainable and Zero Energy Consumption Buildings -- Life-Cycle Assessment of Buildings -- Steady-State and Dynamic Codes, Critical Review, Advantages and Disadvantages, Accuracy, and Reliability -- Building Envelope -- High Efficiency Plants and Building Integrated Renewable Energy Systems -- Building Automation for Energy Efficiency -- Energy Efficiency in Building Renovation -- Conclusions.
Sommario/riassunto	Handbook of Energy Efficiency in Buildings: A Life Cycle Approach offers a comprehensive and in-depth coverage of the subject with a further focus on the Life Cycle. The editors, renowned academics, invited a diverse group of researchers to develop original chapters for the book and managed to well integrate all contributions in a consistent volume. Sections cover the role of the building sector on energy consumption and greenhouse gas emissions, international technical standards, laws and regulations, building energy efficiency

and zero energy consumption buildings, the life cycle assessment of buildings, from construction to decommissioning, and other timely topics. The multidisciplinary approach to the subject makes it valuable for researchers and industry based Civil, Construction, and Architectural Engineers. Researchers in related fields as built environment, energy and sustainability at an urban scale will also benefit from the books integrated perspective.

2. Record Nr. UNINA9910869156303321

Autore	Tsihrintzis George A
Titolo	Advances in Artificial Intelligence-Empowered Decision Support Systems : Papers in Honour of Professor John Psarras / / edited by George A. Tsihrintzis, Maria Virvou, Haris Doukas, Lakhmi C. Jain
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-62316-9
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (439 pages)
Collana	Learning and Analytics in Intelligent Systems, , 2662-3455 ; ; 39
Altri autori (Persone)	VirvouMaria DoukasHaris JainL. C
Disciplina	006.3
Soggetti	Computational intelligence Machine learning Computational Intelligence Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction to advances in artificial intelligence-empowered decision support systems -- 2. Artificial Intelligence in Breast Cancer Diagnosis: A Review -- 3. Classification of H&E stained Liver Histopathology Images Using Ensemble Learning Techniques for detection of the level of malignancy of Hepatocellular Carcinoma (HCC) -- 4. Performance Analysis of Deep Learning Models on Chemokines Protein Group Using Structure-Based Pattern Detection -- 5. Dynamic and Personalized Access Control to Electronic Health Records.

Sommario/riassunto

Decision Support Systems (DSSs) are Software and Information Systems which make use of various data and business models, employ advanced data analytics procedures, and access extensive databases and data warehouses to facilitate with a decision process or with organizational issues. DSSs have proven to be particularly useful at the strategic level, while they usually require only limited computer-proficiency skills from their users. Although DSSs have been under development and use for several decades, recent advances in both Software Engineering technologies and Artificial Intelligence (AI) methodologies have heralded new avenues for research and development in this field. This book exposes its readers to some of the most significant Advances in Artificial Intelligence-Empowered Decision Support Systems. It consists of an editorial note and an additional sixteen (16) chapters, all invited from authors who work on the corresponding chapter theme and are recognized for their significant research contributions. The chapters are organized into five parts, namely (i) AI-Empowered DSS in Medical Diagnosis and Biology, (ii) AI-Empowered DSS in Healthcare and Health Insurance, (iii) AI-Empowered DSS in Urban Matters, (iv) Various Applications of AI-Empowered DSS, and (v) Novel AI-Empowered Methodologies in Decision Making. Targeted toward academics, researchers, practitioners, and students in Computer Science, Artificial Intelligence, and Management, this book is also accessible to individuals from other disciplines interested in the cutting-edge developments of AI-empowered DSS technologies. An extensive list of bibliographic references at the end of each chapter guides the readers to probe deeper into the application areas of interest to them.