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Nota di contenuto	Power Electronics; Energy; Demand Response; Technical-Economic Analysis; Electric Mobility; Renewable Energy -- Fault Analysis of a Non-Isolated Three-Level DC-DC Converter Integrated in a Bipolar DC Power Grid -- A Comprehensive Comparison of Voltage and Current Control Techniques for Three-Phase VSI Converters -- Development of a Modular Multilevel Cascade Converter based on Full-Bridge Submodules with a common DC Bus -- Energy; Demand Response; Technical-Economic Analysis 4 Standard energy renovation at the urban scale in the Moroccan context -- Technical-Economic Analysis of a Power Supply System for Electric Vehicle Charging Stations using Photovoltaic Energy and Electrical Energy Storage System -- Assessing household electricity consumers' willingness to load shift -- A Feature

and Classifier Study for Appliance Event Classification -- Computer studies of the operation of a Three-Phase Four Wire Shunt Active Power Filter applied to the Industry -- A Novel Three Phase Multilevel AC DC Converter Operating as a Shunt Active Power Filter -- Electric Mobility; Power Electronics -- Traction and Charging Systems for an Electric Motorcycle -- Electric Vehicle Battery Charger with Vehicle to Vehicle (V2V) Operation Mode -- Renewable Energy -- A Short Term Wind Speed Forecasting Model Using Artificial Neural Network and Adaptive Neuro-Fuzzy Inference System models -- Maximization of Solar Power Extraction from Photovoltaic Modules using Energy Harvesting Solutions for Smart Cities.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 3rd EAI International Conference on Sustainable Energy for Smart Cities, SESC 2021, held in November 2021. The conference was framed within the 7th Annual Smart City 360° Summit. Due to COVID-19 pandemic the conferences were held virtually. The 13 revised full papers were carefully reviewed and selected from 28 submissions. They present multidisciplinary scientific results toward answering the complex technological problems of emergent Smart Cities. The subjects related to sustainable energy, framed with the scope of smart cities and addressed along with the SESC 2021 conference, are crucial to guarantee an equilibrium among economic growth and environmental sustainability, as well as to contribute to reducing the impact of climate change.