

Erratum to Optimizing virtual energy sharing in renewable energy communities of residential users for incentives maximization [Sustainable Energy, Grids and Networks 39 (2024)/101492] Marialaura Di Somma, Mohammad Dolatabadi, Alessandro Burgio, ...

et al. "Integrating renewable energy in smart grid system: Architecture, virtualization and analysis." Sustain Energy Grids Netw 18 (2019): 100226. 4. Gungor, Vehbi C., Bin Lu and Gerhard P. Hancke. "Opportunities and challenges of wireless sensor networks in smart grid" IEEE Trans Ind Electron 57 (2010): 3557-3564. 5.

Governments around the world are investing heavily in smart energy systems and technologies (SEST) to ensure optimum energy use and supply, enable better planning for outage responses and recovery, facilitating the integration of heterogeneous technologies such as renewable energy systems, electrical vehicle networks, and smart homes around the grid.

Special Issue on Computational methods applied to multi-energy networks; Special Issue on Selected articles from the 5th International Conference on Smart Energy Systems and Technologies (SEST 2022) Special Issue on Measurement solutions for the decarbonization of power systems; Special Issue on FLEX DIST PLAN

The need to reduce drastically the amount of greenhouse gas emissions by 2050 requires relevant multidisciplinary and integrated research efforts in multiple fields such as applied physics (particularly thermodynamics), power electronics, electrical engineering, control systems and information and communication technologies. In this respect, measurement science and ...

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The year 2020 marks the start of the UN's "Decade of Action". Helping communities across the globe develop their energy footprints to provide affordable, reliable, sustainable and modern energy for all is a key part of this action plan and is one of the UN's Sustainable Development Goals (SDG 7).

Special Issue on Computational methods applied to multi-energy networks; Special Issue on Measurement solutions for the decarbonization of power systems; Special Issue on Forecast production and end-use for efficient management of energy systems

Today, private operators in Côte d'Ivoire are currently responsible for 70% of energy production and

100% of its distribution. The grid is expected to cover 99% of the population by 2035, and ...

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Smart grids represent a pivotal shift in how the world manages and distributes electricity. By integrating digital technologies and data analytics, they enable consumers to play an active role in the energy ecosystem and equip network operators with the means to maintain system adequacy with very high levels of renewable penetration.

Sustainability is the essential part of smart grids and the ultimate future of energy systems. Providing a state-of-the-art review on the progress of advanced learning systems which contribute to the sustainability of smart grid is essential. This paper reviews the applications of data-driven methods of machine learning in sustainable smart grid systems. The machine learning ...

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1 ??#0183; With a capacity of 400 kW, this project will help the company reduce its CO2 emissions by approximately 210 tons per year and will cover more than 30% of its energy needs. ...

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