

SPECIAL SECTION PAPERS

ENERGY INTERNET

Edited by H. Sun and N. D. Hatziargyriou

1897 Energy-Circuit-Based Integrated Energy Management System: Theory, Implementation, and Application

By B. Chen, Q. Guo, G. Yin, B. Wang, Z. Pan, Y. Chen, W. Wu, and H. Sun

| INVITED PAPER | This article presents a novel energy circuit method for high-efficient analysis and energy management of integrated energy systems (IESs).

1927 Plug-and-Play Algorithms for the Efficient Coordination of Active Distribution Grids

By I. Kouveliotis-Lysikatos, D. I. Koukoulou, A. L. Dimeas, and N. D. Hatziargyriou

| INVITED PAPER | This article discusses the decentralized and distributed coordination architectures for the operation of active distribution grids aiming at effectively coping with their complexity.

1940 On an Information and Control Architecture for Future Electric Energy Systems

By L. Xie, T. Huang, P. R. Kumar, A. A. Thatte, and S. K. Mitter

| INVITED PAPER | This article presents an information and control architecture for future electric energy systems to meet the goals of decarbonization and electrification.

1963 Application of Distributed Ledger Technology in Distribution Networks

By Y. Zhou, A. N. Manea, W. Hua, J. Wu, W. Zhou, J. Yu, and S. Rahman

| INVITED PAPER | This article presents a comprehensive review of the distributed ledger technology (DLT) applied in distribution networks.

REGULAR PAPER

1976 Land Cover Change Detection With Heterogeneous Remote Sensing Images: Review, Progress, and Perspective

By Z. Lv, H. Huang, X. Li, M. Zhao, J. A. Benediktsson, W. Sun, and N. Falco

| CONTRIBUTED PAPER | This article reviews the state-of-the-art developments and future directions for change detection with heterogeneous remote sensing images.

DEPARTMENTS

1894 SCANNING THE SECTION

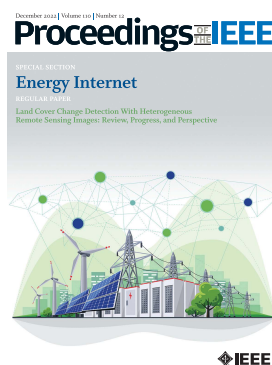
Energy Internet

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On the Cover:

This month's cover is an artist's rendition of a new energy ecosystem with better interconnection, openness, and flexibility powered by the energy internet.