Special Issue

Innovative Techniques for Distribution Grids Digitalization

Message from the Guest Editors

Distribution grid digitalization is revolutionizing power systems. Renewables and electrification demand reliability and resilience. Smart grids are the answer, driven by sensing, communication, and analytics. Smart metering, data gathering, AI optimization – these are the future, and they're mandatory for grid planning. Overall, the planning and operation of distribution grids are poised to undergo significant impacts, and regulation is emerging as a further very complex challenge. Defining a regulatory framework capable of governing such an epochal evolution is a clear need, often overlooked or not properly approached by operators and users.

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