



New Approaches and Valuation in Electricity Markets

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Message from the Guest Editors

Energy transition requires structural changes in the energy markets and in the electrical systems, to include more players and increase the penetration of renewable energy sources, increasing efficiency and keep system security.

Electricity markets see the presence of several agents whose roles must be redesigned considering market forces. DSOs are managing grids where multiple agents produce and consume energy; small and medium agents shall participate to the market and new agents can decide to invest in production or in aggregation. Among market agents, energy communities are associations of prosumers for a more inclusive energy market. To fully exploit the potential of such actors from both technical and economic standpoints, market and management frameworks should address their inclusion within the power system with clear rules and procedures.

Policy targets need evaluation tools, test models, and operational guidelines that ensure that objectives are achieved efficiently and fairly.





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