

## Special Issue

# Advances in Information and Communication Technologies (ICT) for Smart Grids

### Message from the Guest Editors

Smart grids can improve the grid stability, energy reliability, energy security, efficiency and power quality. However, there are many challenges in its implementation. Effective and reliable communication between different smart grid entities helps to improve the overall efficiency of smart grids. ICT play a major role in smart grids. With the rapid development, the recent technical advances in ICT applied to smart grids will significantly improve those metrics. This Special Issue will address the state-of-the-art in technology and recent research advances in ICT for smart grids. Suggested topics include but are not limited to:

- ICT technologies to enable the smart grids and microgrids
- Communication technologies
- ICT for renewable energy integration to smart grids
- IoT-based smart grid systems
- Energy internet and smart grids
- Communication standards and protocols
- Smart and advanced metering infrastructure
- ICT for synchrophasor communications
- Smart grids and PMUs
- Communication-centric solutions
- Data acquisition and data analytics for smart grids
- Cybersecurity in smart grids

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### Deadline for manuscript submissions

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### Editor-in-Chief

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