Special Issue

Distribution Grid Management Based on the Use of 5G Communication

Message from the Guest Editors

Commercial deployment of fifth-generation (5G) wireless networks is now a reality, allowing a wide range of services with very different specifications, including reduced latencies, augmented bandwidth, enhanced reliability, and advanced M2M functionalities. 5G mobile network and infrastructure provide a wide set of tools and technologies that can facilitate the design of innovative distributed automation architectures and accelerate their deployment, thanks to their cloud-native approach and the virtualized network functionalities. For these reasons, there is an emerging area of research that specifically addresses the adoption and exploitation of 5G communication in distribution grid management. This special issue will collect state-of-the-art research in this area as well as significant practical contributions derived from field tests performed in real field trials.

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