# **Special Issue**

# Future Distribution Network Solutions

## Message from the Guest Editor

In the future, utilization of distribution network (MV and LV) connected controllable and flexible distributed energy resources (DER), i.e., flexibilities is needed to improve local and systemwide grid resiliency, maximize integration of renewable energy resources (RES) and electric vehicles (EVs), and minimize the whole-system costs and customer electricity prices. However, this requires new management and protection solutions for future resilient distribution networks enabled by digitalization and advanced ICT technologies. In addition, there is a need for new distribution network operation and planning principles based on active utilization of flexibilities. Further, new, compatible, distribution network market schemes, business models and regulation structures need to permit active utilization of flexibilities to provide different services and also take strongly into account the role of customers with different needs.

## Guest Editor

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Deadline for manuscript submissions

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

#### Editor-in-Chief

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