Special Issue

Smart Microgrid Systems

Message from the Guest Editor

Today's modern power system is a combination of non-conventional energy sources and renewable energy resources and smart grids. Smart microgrid systems are the key for flexible, techno-economic, and environmentally friendly generation units for reliable operation and cost-effective planning of smart electricity grids. In smart microgrid systems, (1) power demand and supply management problem with uncertain renewable energy integration, (2) energy generation scheduling, (3) power quality, and (4) cyber-physical security issues should be considered. This Special Issue will investigate several key aspects of smart microgrid systems to enable enhanced solutions for intelligent and optimized electricity systems. It includes smart microgrid systems modeling, control, optimization, operation, protection, dynamics, planning, and reliability.

Guest Editor

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