

2020 CIGRE NGN General Topics

The following are general topics that will be covered in the 2020 CIGRE Grid of the Future. Paper topics may be selected from the following list but are not required to be.

Digitization & Big Data: Smart Cities, IEC 61850, IoT, Public vs. private networks, Fiber/WAN/FAN, Network and device management, Cyber-security, self-healing grid, and sensors

Clean Technologies: EV, Energy Efficiency, Smart Homes, Off-shore Wind, Distributed Generation Technologies, Smart Inverters, Energy Storage, Non-Wires Solutions

Innovative & Disruptive Technologies: Quantum Computing Applications in Power, Blockchain in Energy, Artificial Intelligence, Edge Computing, Digital Twin, Advanced Approaches for Detecting Downed Conductors, Autonomous Vehicles

Asset Management & People: Risk/Cost/Performance Modeling, Data Analytics, Failure Prediction, Transforming the Workforce

Transmission & Distribution Systems: Transmission Monitoring, T&D System Planning, HVDC, Distributed System Operator, Grid Modernization, ADMS, DERMS, DMS, DR, Microgrids & Islanding, Public Generation Availability and Energy Usage Maps