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TUTORIAL: Are blackouts here to stay? A look into the past and future

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Tutorial duration: **90 mins - 26th NOV 2020 13:30-15:00 AST (UTC+3)**

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Dr. Alexandre Oudalov is in charge of Hitachi ABB Power Grids program entitled “Power Systems of the Future”. In this role he is leading a research team which investigates the mid- and long-term implications of the ongoing changes in power systems worldwide, primarily driven by the new renewables, distributed energy resources and sector coupling.

He serves as an international expert in ETIP-SNET and in CIGRE where he is a member of Study Committee C6 ‘Active distribution systems and distributed energy resources,’ leading a working group on ‘DER aggregation platforms for the provision of flexibility services.’ He is also an active member of the working group, ‘Global sustainable electricity system: Effects of storage, demand response and trading rules.’ in study committee C1.

His research has led to more than 45 journal and conference papers and 15 granted patents. Alexandre has a PhD degree in electrical engineering from the Swiss Federal Institute of Technology in Lausanne, Switzerland.