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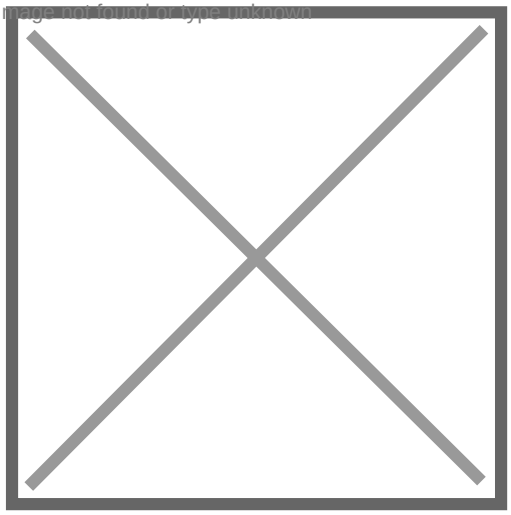

CE-SPIRE-04-2019

INCITE

Full Title: Innovative controls for renewable source integration into smart energy systems

Aim:

INCITE aims to propose innovative solutions for the challenging work of controlling and designing the future electrical networks seeking to create a multidisciplinary research space with a complete view of the smart grids control. The main purpose is to expose the Early Stage Researchers to the major problems, theoretical and practical, involved in the control of smart grids.

Concept:
To take full advantage of the new electrical networks, it is necessary a coordinated and harmonic interaction of the all actors in the network. Control algorithms are intended for this purpose; to act at several levels to conduct the electrical power exchange and improve efficiency, reliability and resilience of the network. INCITE seeks new control algorithms with an integral view of the future electrical networks, covering aspects like energy management, stability of electrical variables, monitoring and communication implementation, energy storage, among others.

Start date:
01/09/2019

End date:
31/08/2023