

Observation, Diagnosis and Control of Electrical Systems

Open Invited Track proposal

Co-chaired by

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Abstract : Observation, diagnosis and control including energy management methods are central in electrical systems. The main areas under study are Renewable Energy, Vehicle, Grids, Avionic, DC-AC Machines, Static Power Converters, Energy Sources/Storage, but not only. This open invited track proposal is intended to be an opportunity to exchange on the most recent advances.

IFAC Technical committee: IFAC technical committee for evaluation : TC 6.3 and TC 2.1.

Brief description :

Current research in the area of Electrical Systems (Renewable Energy, Vehicle, Grids, Avionic, DC-AC Machines, Static Power Converters, Energy Sources/Storage) and their Control, Observation and Diagnosis are the goals of this track. The presentation will be made through interactive sessions, which will favor discussions with the IFAC congress participants who will attend the track. The papers submitted can concern recent research results, ongoing research, and literature analysis. This invited track is organized by the working group leaders on Control of Electrical Systems (CSE) of the CNRS French GDR MACS and GDR SEEDS.