

IEEE ETFA 2018
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Special Session SS02. on “HVAC Control Systems”



ORGANIZED AND CO-CHAIR BY

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OUTLINE

Heating, Ventilation and Air Conditioning (HVAC) systems are energy-intensive and, not infrequently, their inefficient operation results in poor performance and in increasing environmental impact. HVAC systems require the greatest level of knowledge to control and to maintain and they are fraught with the most problems. The efficient control of HVAC systems is a non-trivial task. From a control point of view, non-stationary plant operating conditions coupled with complex patterns of load demand and combined with the intrinsically non-linear characteristics endemic in HVAC plants, give a complex application. This Special Session is devoted to recent developments in this field, and its aim is to attract high-quality papers dealing with modelling, estimation, and control problems. The session chair invite scientists, researchers, engineers, and practitioners from the academia and the industry to contribute theoretical and applied research papers in this application field.

TOPICS

This special session will be focusing on (but not limited to) the following topics on HVAC systems:

- Modelling, estimation, and control
- Optimization and management
- Fault detection, diagnosis, and predictive maintenance
- Applications and case studies

Author's schedule (NEW!!!):

- Deadline for submission of special session papers
April 27, 2018
- Notification of acceptance
June 1, 2018
- Deadline for submission of final manuscripts
July 6, 2018

For additional information please visit www.ieee-etfa2018.com