



# CALL FOR PAPER

OPEN INVITED TRACK

ON

## Emerging Technologies in Health Monitoring and Control of Hybrid Electric Vehicles

(Submission Code **5nfe8**)

Deadline: **October 31, 2019** <https://www.ifac2020.org/>

### Description

This Open Invited Track (OIT) intends to provide an up-to-date overview of recent advances in modeling, analysis, control and health monitoring of hybrid electrical vehicles at component or system levels. This open invited track also intends to provide advanced and practical methodologies to deal with the existing challenges for innovative health monitoring and control strategies in hybrid electric vehicles (HEVs) or electric vehicles (EVs) including, but are not limited to, electric, hybrid electric and plug-in hybrid electric vehicle systems and architectures, modeling and simulation for HEVs or EVs, control strategies applied in HEVs or EVs, fault detection and isolation in HEVs or EVs, and energy optimization and management in HEVs or EVs.

Potential topics, but are NOT limited to

- Advanced control of HEVs
- Intelligent control of HEVs
- Reliability and resilience control of HEVs
- Estimation and filtering in HEVs
- Fault diagnosis of HEVs
- Fault-tolerant control of HEVs
- Soft sensor techniques in HEVs
- Collision avoidance of HEVs
- Crashworthiness and occupant safety in HEVs

### Organizers

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