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Special Session on

"Advanced Control for Autonomous Vehicles"

Organized by

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Call for Papers

Theme: (100 words)

In the past few decades, autonomous vehicles have been widely applied in many areas, including unmanned marine vehicles, satellites, unmanned aerial vehicles, intelligent robots, and so forth. However, many practical problems are open to be solved in the application of autonomous vehicles, such as network induced delays, external disturbances, modelling uncertainties, performance optimization, input constraints, coordination of multiple vehicles, etc. Therefore, this session aims to discuss some advanced control approaches that are efficient to deal with these open problems.

Topics of interest include, but are not limited to:
Distributed control, predictive control, optimal control, reinforcement learning, networked control.