



## Finite-time control and estimation of uncertain systems

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*Open Invited Track*

Denis EFIMOV, Leonid FRIDMAN

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This open invited track aims at presenting the last innovative results in analysis and design methods of finite-time control and estimation solutions for uncertain systems, and their applications to identification, sliding mode control, fault detection and synchronization. Another objective of this track is to bring together the researchers working on control and estimation using finite-, fixed- and prescribed-time stability approaches in order to enrich the ideas exchanging and discussion on the subject.

The track supposed to contain the sections devoted to:

- methods of design for finite-time and sliding mode control and estimation algorithms;
- new concepts of finite-time (and sliding mode) control and estimation for different classes of systems;
- methods of finite-time identification and fault detection;
- discretization tools for finite-time convergent and sliding mode control algorithms;
- implementation issues (chattering minimization, saturation);
- analysis of properties of finite-time (and sliding mode) control and estimation algorithms (input-to-state stability, propagation of the signals, *etc.*);
- applications of finite-time (and sliding mode) control and estimation approaches.