

**Second International Workshop on
Methods and Tools for Distributed Hybrid Systems
Palaiseau, France, 4 July 2018**



distributed systems

concurrent systems

DHS

dynamical systems

hybrid systems

discrete time

continuous time

DHS

synchronous time

asynchronous time

**International Workshop on
Methods and Tools for Distributed Hybrid Systems
Aalborg, Denmark, 26 August 2017
Associated with MFCS 2017**



Alessandro Abate Martin Fränzle Kim G. Larsen
Martin Raussen Rafael Wisniewski

Invited Talks

- **Luc Jaulin**, ENSTA Bretagne, Brest, France
Distributed localization and control of underwater robots
- **Thao Dang**, Verimag, Grenoble, France
Invariance and stability verification of hybrid systems
- **Lisbeth Fajstrup**, Aalborg University, Denmark
Symmetries in the PV-model and of directed invariants
- **Emmanuel Ledinot**, Dassault Aviation, France
Towards CPS certification reformation: call for effective foundations
- **André Platzer**, Carnegie Mellon University, United States
Logic of distributed hybrid systems

9:00	<i>Welcome</i>
9:10	Lisbeth Fajstrup <i>Invited talk: Symmetries in the PV-model and of directed invariants</i>
10:00	<i>Break</i>
10:20	Luc Jaulin <i>Invited talk: Distributed localization and control of underwater robots</i>
11:10	H. Nguyen Van, T. Balabonski, A symbolic operational semantics for TESL F. Boulanger, C. Keller, B. Valiron, B. Wolff
11:35	J. Dubut Trees in partial Higher Dimensional Automata
12:00	<i>Lunch</i>
13:30	Emmanuel Ledinot <i>Invited talk: Towards CPS certification reformation: call for effective foundations</i>
14:20	André Platzer <i>Invited talk: Logic of distributed hybrid systems</i>
15:10	A. Le Coënt Guaranteed control synthesis for switched systems in Uppaal Tiga
15:35	<i>Break</i>
16:00	S. Feo Arenis, B. Westphal Code-generation for distributed real-time systems
16:25	M. Fränzle, P. Kröger The Demon, the Gambler, and the Engineer: Reconciling hybrid-system theory with metrology
16:50	Thao Dang <i>Invited talk: Invariance and stability verification of hybrid systems</i>
17:40	<i>DHS ends</i>

Informal workshop dinner:

19:30, Crêperie La Belle Ronde, 19 rue Daguerre, Paris 14

