

**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:</i> Symmetries in the PV-model and of directed invariants
10:00	<i>Break</i>	
10:20	Luc Jaulin	<i>Invited talk:</i> Distributed localization and control of underwater robots
11:10	H. Nguyen Van, T. Balabonski, F. Boulanger, C. Keller, B. Valiron, B. Wolff	A symbolic operational semantics for TESL
11:35	J. Dubut	Trees in partial Higher Dimensional Automata
12:00	<i>Lunch</i>	
13:30	Emmanuel Ledinot	<i>Invited talk:</i> Towards CPS certification reformation: call for effective foundations
14:20	André Platzer	<i>Invited talk:</i> Logic of distributed hybrid systems
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:</i> Invariance and stability verification of hybrid systems
17:40	<i>DHS ends</i>	

Informal workshop dinner:

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

