

# Doctoral Workshop on port-Hamiltonian Systems

28-30 March 2023 in Building G, Room G.15.20



Time	Tuesday, 28/03/23	Wednesday, 29/03/23	Thursday, 30/03/23
09:00 - 10:00	<b>Hans Zwart</b> (Twente) «Personal perspective on port-Hamiltonian systems»	<b>Markus Clemens</b> (Wuppertal) «Discrete electromagnetic and thermal field formulations considered within the pHS framework»	<b>Claudia Totzeck</b> (Wuppertal) «On the port-Hamiltonian structure of interacting particle systems»
10:00 - 10:30	Coffee break		
10:30 - 10:50	<b>Najmeh Javanmardi</b> (Groningen) [15 min] «Robust trajectory tracking for underactuated mechanical systems without velocity measurements»	Interactive Session	<b>Colette Voisembert</b> (Sorbonne) [25 min] «Space and time discretizations of pHS : existing methods and current work on mixed boundary conditions»
10:50 - 11:10	<b>Guanru Pan</b> (Dortmund) [15 min] «Data-driven predictive control under stochastic uncertainties»		<b>Kaja Krhac</b> (Lyon/Twente) [25 min] «Energy Port for Port Hamiltonian Systems»
11:15 - 11:35	<b>Dorothea Hinsen</b> (Berlin) [15 min] «On discrete-time port-Hamiltonian (descriptor) systems»		<b>Mehmet Erbay</b> (Wuppertal) [25 min] «Infinite-dimensional port-Hamiltonian DAEs»
11:35 - 11:55	<b>Philipp Kinon</b> (Karlsruhe) [15 min] «Modeling and simulation of geometrically exact strings in a nonlinear port-Hamiltonian framework»		
12:00 - 13:30	Lunch		
13:30 - 14:00	<b>Silke Glas</b> (Twente) «TBA»	<b>Elise Julien</b> (Wuppertal) «Les Français, les Allemands, les autres ? Des clichés à l'interculturalité»	Closing
14:00 - 15:00		Information on the doctoral college and mobility Discussion with coffee	
15:00 - 15:30	Interactive Session	<b>Jonas Kirchhoff</b> (Ilmenau) [25 min] «Towards ports from parametrised Lagrangian subspaces»	
15:30 - 16:00	Coffee break + Photo Session	<b>Thomas Risse</b> (Sorbonne) [25 min] «Physical modelling of a simplified vocal apparatus in the port-Hamiltonian framework»	
16:00 - 16:30	<b>NN</b> (Besançon) [25 min] «TBA »		
16:30 - 17:00	<b>Annika Meyer</b> (Wuppertal) [25 min] «Stability of Linear Infinite-Dimensional pH-Systems Via Closure Relations»		
17:00 - 18:00		City Tour	
18:00 - 19:00	Social Activity		
19:00		Dinner	