

Spring School on Theory and Applications of Port-Hamiltonian Systems 31 March 2019 – 5 April 2019

The port-Hamiltonian approach allows for the structured modelling of complex, interconnected and heterogeneous multi-physical systems. It is the basis for control methods, which exploit the underlying physical structure or impose desired energetic behaviour in closed loop. The international spring school PHS 2019 targets PhD students, and advanced Master students from engineering and applied mathematics, as well as researchers and engineers, who are interested in the state of the art and current research topics in the fields

- Control of distributed parameter systems
- Structure-preserving numerical methods for multi-physics systems
- Port-Hamiltonian formulation of irreversible thermodynamic processes



Venue

The beautiful Benedictine abbey of Frauenwörth is located on the small island Fraueninsel in the Lake Chiemsee, around 90 km southeast of Munich, at the edge of the Bavarian Alps, half way to Salzburg.

Speakers

Arjan van der Schaft (Groningen), Bernhard Maschke (Lyon), Birgit Jacob (Wuppertal), Boris Lohmann (Munich), Denis Matignon (Toulouse), Françoise Couenne (Lyon), Hans Zwart (Twente), Hector Ramírez (Besançon), Laurent Lefèvre (Valence), Paul Kotyczka (Munich), Thomas Hélie (Paris), Thomas Meurer (Kiel), Volker Mehrmann (Berlin), Yann Le Gorrec (Besançon).

Organizers

Paul Kotyczka (Technical University of Munich, Germany), Bernhard Maschke (University Claude Bernard Lyon 1, France) and the Franco-Bavarian University Cooperation Center in Munich (BayFrance).

Supported by



Cost

The attendance fee, including full board accommodation will be 300 to 350 Euros (depending on the room category).

Application and Contact

The school is limited to 40 participants. You can download the application form from our website

www.rt.mw.tum.de/phs2019.

Send the signed form and your CV in pdf format to

phs2019@rt.mw.tum.de.

The application deadline is

15 December 2018.