Session Program

Aug 12 – 16, 2024

IFIP TC7 System Modeling and Optimization

MS 03: Recent trends in control and numerics of port-Hamiltonian systems

Von-Melle-Park 8
Von-Melle-Park 8, 20146 Hamburg, Germany

Tue, August 13

11:00 AM

MS 03: Recent trends in control and numerics of port-Hamiltonian systems: MS03-1
Session | **Location:** Von-Melle-Park 8, Seminarraum 208

11:00 – 11:30 **Structure preserving time discretization of port-Hamiltonian systems**

Speaker
Attila Karsai

11:30 – 12:00

High-order operator splitting methods for linear port-Hamiltonian systems

Speaker
Marius Mönch

12:00 – 12:30 **Jet space extensions of infinite-dimensional Hamiltonian systems**

Speaker
Till Preuster

12:30 PM

4:30 PM

MS 03: Recent trends in control and numerics of port-Hamiltonian systems: MS03-2
Session | **Location:** Von-Melle-Park 8, Seminarraum 208

16:30 – 17:00

Regularization and stabilization of port-Hamiltonian descriptor systems via output feedback

Speaker
Volker Mehrmann

17:00 – 17:30 **Optimal control of port-Hamiltonian systems**

Speaker
Timm Faulwasser

17:30 – 18:00

A Toolbox for the Automatic Generation of Port-Hamiltonian Models for Mechanical Structures

Speaker
Amelie Zeller

6:00 PM