

EMOSC 25: Energy-based modeling, simulation, and control of dynamical systems - Workshop in honor of Volker Mehrmann's 70th birthday



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## Linear Systems with Symmetry Structures: Reciprocal, Relaxation, and Input-Output Hamiltonian systems

*Monday 26 May 2025 13:30 (30 minutes)*

A classical topic in analog design is the study of input-output systems with extra structure. Recently, this interest is renewed by motivations stemming from e.g. neuro-computing, dynamical networks, and scalable control. In this talk we will discuss various, often related, symmetry structures for standard linear systems, including gradient systems, relaxation systems and input-output Hamiltonian systems.

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