Contribution ID: **56**   Type: **Poster**

Port Hamiltonian connection of pipes

Tuesday 18 February 2025 15:30 (1h 15m)

The poster will present a comparison of different Port Hamiltonian models focusing on the interconnection of two or more PH models to generate a new PH model. Starting from a standard linear finite dimensional system a few steps will be presented how one could model the generalized framework of nonlinear and infinite dimenisonal systems. Some examples will be shown in the context of interconnections of two or more pipes to a network of pipes. The industrial application in mind being gas or liquid transportation networks.

Primary authors: NAYAK, Ashwin (CSC group); GRUNDEL, Sara

Presenter: GRUNDEL, Sara

Session Classification: Poster Presentations