Summer School on Reduced Order Methods in Computational Fluid Dynamics

Wednesday, July 13, 2022

<u>Poster blitz</u> (4:45 PM - 5:33 PM)

time	[id] title	presenter
4:45 PM	[102] Non-linear reduction for data-driven non-intrusive reduced-order models with parallel autoencoders	KARIM YEHIA , Aly
4:48 PM	[103] A continuous trainable filter for convolution with unstructured data	COSCIA, Dario
4:51 PM	[91] Comparing Different Nonlinear Dimensionality Reduction Techniques for Data-Driven Unsteady Fluid Flow Modeling	CSALA, Hunor
4:54 PM	[104] SHOPROMs: SHip Optimization with Reduced Order Methods	FABRIS, Lorenzo
4:57 PM	[105] A Digital Twin of an Operating Theater	GARGIULO, Giovanna
5:00 PM	[106] Adjacency-based DMD on Deforming Grids for Vortex-Induced Vibrations	GKIMISIS, Leonidas Konstantinos
5:03 PM	[107] A novel deep learning architecture for the model reduction of parametric time-dependent problems	GONNELLA, Isabella Carla
5:06 PM	[108] A data-driven reduced order modeling framework for shape optimization of marine propellers	IVAGNES, Anna
5:09 PM	[109] ROM for Large-scale Modelling of Urban Air Pollution	KHAMLICH, Moaad
5:12 PM	[110] A reduced order model for segregated FSI solvers based on a ALE approach	NKANA, Valentin
5:15 PM	[111] A Numerical Proof of Shell Model Turbulence Closure	ORTALI, Giulio
5:18 PM	[112] Machine Learning and Optimal Transport for shape parametrisation	PADULA, Guglielmo
5:21 PM	[113] Data Driven Methods for Delay-Differential Equations	PECILE, Alessandro
5:24 PM	[114] A reduced order model for the optimisation-based domain decomposition algorithm for the incompressible Navier-Stokes equations	PRUSAK, Ivan
5:27 PM	[115] Reduced order model of airflow in a room with two unidirectional air diffusers	PUPIC, Dario
5:30 PM	[116] A machine learning-based reduced order model for the investigation of the haemodynamics in coronary artery bypass grafts	SIENA, Piefrancesco