

MS23: Effective Solvers and Reduced Order Models for CFD Problems: Advances and Perspectives **Organizers:** Pasquale Claudio Africa, Niccolò Tonicello and Gianluigi Rozza

Friday, September 1st

Time	Speaker	Name of the talk
10:45-11:10	Alberto Remigi	Computational Fluid Dynamics in aeronautics: challenges for the implementation of non-intrusive p-ROM in industry
11:10-11:35		
11:35-12:00	Niccolò Tonicello	A high-order Discontinuous Galerkin discretisation of the diffused-interface five equation model for two-phase compressible flow simulations
12:00-12:25	Ivan Fumagalli	Multiphysics modeling of the cerebrospinal fluid by discontinuous Galerkin methods on polytopal grids
12:25-12:50	Ludovica Saccaro	A library for risk detection for Abdominal Aortic Aneurysm: automatic pipeline and preliminary results
12:50-13:15	Moaad Khamlich	Optimal Transport-inspired Deep Learning Framework for Slow-Decaying Problems: Incorporating Sinkhorn Loss and Wasserstein Kernel