



# Summer School on Reduced Order Methods in Computational Fluid Dynamics

## Wednesday, July 10, 2019

### Poster blitz (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[45] Non-intrusive reduced order models for the shallow water equations	Dr DUTTA, Sourav
4:03 PM	[50] Reduction of the Kolmogorov $\eta$ -width for a transport dominated fluid-structure interaction problem	Ms NONINO, Monica
4:06 PM	[47] Multi-scale numerical modeling of sorption kinetics	Dr ASTUTO, Clarissa
4:09 PM	[52] Reduced basis methods for parametric bifurcation problems in nonlinear PDEs	Mr PICHI, Federico
4:12 PM	[43] Model-Order Reduction for 3D Turbulent Mixing T-junction	Mr KANEKO, Kento Mr TSAI, Ping-Hsuan
4:15 PM	[42] Finite volume POD-Galerkin Reduced Order Model of the Boussinesq approximation for buoyancy-driven flow	Ms STAR, Kelbij
4:18 PM	[68] Reduced-Order Modeling (ROM) for MSR multiphysics simulations	Mr GERMAN, Peter
4:21 PM	[41] Using Lagrangian models in the simulation of water borne infectious diseases	Ms KENNEALY, Meghan
4:24 PM	[54] Hybrid ROMs for problems in computational fluid dynamics	Mr HIJAZI, Saddam N Y
4:27 PM	[53] Finite Volume Reduced Order Methods based on SIMPLE Algorithm	Mr ZANCANARO, Matteo
4:30 PM	[51] The polluted atmosphere as a shallow domain	Ms JUHASZ, Nora
4:33 PM	[75] Reduced Order Methods for Boundary Conditions Estimation	Mr MORELLI, Umberto
4:36 PM	[49] Reduced Basis Method: The Smagorinsky Model	Ms CARAVACA GARCÍA, Cristina
4:39 PM	[65] Reduction in parameter space with non linear active subspaces	Mr ROMOR, Francesco
4:42 PM	[48] Reduced Order Methods Applied to Nonlinear Time Dependent Optimal Flow Control Problems in Environmental Marine Sciences and Engineering	Ms STRAZZULLO, Maria
4:45 PM	[67] Enriched Galerkin Discretization for Mixed-Dimensional Modelling Flow in Fractured Porous Media	Mr KADEETHUM, Teeratorn
4:48 PM	[66] Reduced order methods for parametric optimal flow control in patient-specific coronary bypass grafts: geometrical reconstruction, data assimilation	Ms ZAINIB, Zakia