

Gianluigi Rozza, SISSA

Talk title	Reduced Order Methods: state of the art and perspectives with a special focus on Computational Fluid Dynamics
Biography	<p>Professor Gianluigi Rozza is a member of the recently created (2010) mathLab laboratory at International School for Advanced Studies (SISSA), Trieste, Italy. Phd in Applied Mathematics at EPFL in 2005, MSc in Aerospace Engineering at Politecnico di Milano in 2002, post-doc at MIT. Currently he is lecturer in the SISSA doctoral program in Mathematical Analysis, Modelling and Applications since 2013, in the SISSA-ICTP master in High Performance Computing and at the master degree in Mathematics of University of Trieste since 2014, and in the master degree in data science and scientific computing since 2017. At SISSA he is Director's delegate for Technology Transfer and Industrial Cooperation. His research is mostly focused in numerical analysis and scientific computing, developing reduced order methods. Author of more than 100 scientific publications (editor of three books and author of two books). Co-advisor of 18 master thesis since 2004, co-director/director of 12 PhD theses (4 at EPFL, 3 at Politecnico di Milano, 5 at SISSA) since 2009. PI/coPI of 4 projects at FNS, Swiss National Science Foundation (2006-2012), task coordinator for an ERC project (2009-2013), coordinator of three INDAM-GNCS projects (2015-2017), Principal Investigator of the ERC Consolidator Grant (H2020) AROMA-CFD and for the project FARE-X-AROMA-CFD funded by Italian Government. Within SISSA mathLab he is responsible of UBE (Under Water Blue Efficiency project), SOPHYA and PRELICA projects, within the regional maritime technological cluster MARE tc FVG), co-responsible of TRIM project (within the Technological Cluster Trasporti 2020), and coordinator of industrial projects with Italian industries, such as Danieli and Fincantieri. More: http://people.sissa.it/grozza</p>