



The Conference that Brings Supercomputing to the Tablet



Over 100 international scientists at SISSA for MOREPAS conference

October 14, 2015

An international conference on an avant-garde topic: *Reduced Order Modelling*, which studies how to deploy scientific computing on modern devices such as tablets and smartphones. MoRePas is currently taking place at SISSA, and boasts participation of some of the world's leading experts on the subject.

Model Reduction of Parametrized Systems (MoRePaS) is a rapidly-growing field of research which promises to become increasingly important and have a major impact on our daily lives. By now, many have heard of Supercomputing, the computational field of research applied to areas



as varied as Physics, Engineering, and 3D animation through the use of enormous computer systems (supercomputers) which are able to handle massive amounts of data. "Reduced Order Modeling" is the theme of the MoRePaS conference and the bridge between high-performance computing and scientific calculation on modern devices such as tablets and smartphones. This area of research develops methods for simplifying and adapting supercomputing to devices for applications in less-explored fields such as medicine. Thanks to research in this discipline it will soon be possible to have mathematical tools based on parametric models adapted for the operating room to plan surgery or for diagnostics or industrial process controls.

Upwards of 100 international experts are meeting at SISSA from 13-16 October for the third edition of the MoRePaS conference representing 60 different institutions and more than 30 nations. The event is organized within the European framework of COST (EU- MORNET), *Cooperation in Science and Technology, European Union Model Reduction Network*.

The next edition of MoRePaS will be held in 2018 (previous editions were held in Muenster and in Gunzburg, Germany in 2009 and 2012 respectively).

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