



UT Austin | Portugal CoLab - Advanced Computing Autumn School

Data-Driven Computations in the Life Sciences

November 9 -13, 2015, IST, Lisbon, Portugal

Speakers

Alessandro Veneziani,
Emory University, Atlanta, USA.

Alessandro Reali,
Università di Pavia, Italy.

Miguel Ángel Fernández,
INRIA, Paris - Rocquencourt, France.

Topics

Geometrical multiscale modeling of the circulatory system
Data assimilation in computational hemodynamics

Isogeometric analysis in Biomechanics

Fluid-structure interaction problems in hemodynamics

Audience

Lectures and Computational tutorial sessions addressed to graduate students and young researchers.

Organizing Committee

Adélia Sequeira (Dept. of Mathematics/IST and CEMAT/IST)

Jorge Tiago (Dept. of Mathematics/IST and CEMAT/IST)

Marília Pires (Dept. of Mathematics, ECT/Univ. Évora and CIMA/UE)

Project "Research Lines of Excellence" - EXCL/MAT-NAN/0114/2012
"Mathematical and Computational Modeling of Human Physiology: PHYSIOMATH".

FCT Fundação para a Ciência e a Tecnologia
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