Mathematical Modelling and Numerical Simulation in Medicine

CIMPA School, June 4 - 17, 2023 Havana, Cuba

Topics:
1. Inverse problems/parameter identification
2. Simulation of heterogeneous biomaterials
3. Mathematical image processing

Fundamental Solution Methods:
a) Optimization methods
b) Multiphysics, multiscale, and multigrid methods
c) Regularization methods
d) Composite Finite Elements.

Plenary Speakers

Gemayqzel Bouza Allende, University of Havana

Juan Carlos De Los Reyes, Escuela Politécnica Nacional Quito

Wolfgang Hackbusch, Max-Planck Institute of Mathematics in the Sciences, Leipzig

Angela M. León-Mecías, University of Havana

José A. Mesejo-Chiong, University of Havana

Stefan Sauter, University of Zürich

Otmar Scherzer, University of Vienna

David Sinden, Fraunhofer Institute for Digital Medicine MEVIS, Bremen

Christiane Tammer, University of Halle

Organizing Committee
Valentina Badía Albanés, University of Havana
Gemayqzel Bouza Allende, University of Havana
Celia Tamara González González, University of Havana
Wilfredo Morales Lezca, University of Havana
Luis Ramiro Piñeiro Díaz, University of Havana
Stefan Sauter, University of Zürich

Scientific Committee
Didier Aussel, University of Perpignan
Gemayqzel Bouza Allende, University of Havana
Annalisa Buffa, EPFL Lausanne
Carsten Carstensen, Humboldt University Berlin
Stefan Sauter, University of Zürich
Barbara Wohlmuth, Technical University, Munich

Further information and registration (open until 28.02.2023)

https://www.math.uzh.ch/mm23

I·Math Institut für Mathematik

IT'IS FOUNDATION

Universität Zürich UZH

MAX PLANCK INSTITUTE
FOR MATHEMATICS IN THE SCIENCES

EMS