About BCAM

BCAM - The Basque Center for Applied Mathematics, a world-class interdisciplinary research center on Applied Mathematics started operations in September 2008 and is located in Mazaredo 14, Bilbao, Basque Country (Spain). BCAM provides the right atmosphere for research and promotes the creation of hard-working international and interdisciplinary teams. Enrique Zuazua, Scientific Director of BCAM, leads the center, which brings together more than 50 professional researchers and management personnel from more than 20 nationalities.

About ELTE, Institute of Mathematics

Between World Wars I and II, mathematics at the University was hallmarked by the activity of Lipót Fejér (Fourier analysis, interpolation theory, Function theory) and Béla Kerékjártó (geometry, topology). In the decades that followed, the University had such prominent professors of international reputation as Frigyes Riesz (functional analysis, function theory, ergodic theory), György Hajós (geometry, group theory), Pál Turán (number theory, function theory, graph theory, approximation theory, etc.), Alfréd Rényi (probability and information theory, Number theory, function theory, etc.), József Mogyoródi (martingale theory, Orlicz-spaces), Ferenc Károlyi (projective geometry, finite geometry) and Rózsa Péter (logic, foundations of mathematics).

Scientific committee

Enrique Zuazua (BCAM, SP)
István Faragó (ELTE, HU)
János Karátson (ELTE, HU)
Róbert Horváth (BME, HU)
Sergey Korotov (BCAM, SP)

Organizing committee

István Faragó (ELTE, HU)
Sergey Korotov (BCAM, SP)
Tamás Szabó (BCAM, SP)
Magaly Roldán-Plumey (BCAM, SP)

Topics

Applied Mathematics
Numerical Analysis
Computational Mathematics
Large Systems
Aim
The main purpose of the workshop is to establish collaboration between researchers from the Basque Country and from Hungary in applied mathematics. This meeting is a great opportunity for both parties to get more familiar with the scientific progress in the two countries. The participants are not only able to present their new research, but they might get some valuable hints, suggestions or collaborations for future work.

Invited talks (in alphabetical order)

András Bátkai (ELTE, HU)
Operator Splitting for Distributed Delay Equations

Jesús Maria Blanco Ilzarbe (UPV/EHU, SP)
Diagnosing Large Systems from Multivariate Time Series; Application to a Case Study in Thermal Power Plants

István Faragó (ELTE, HU)
The Convergence of Runge-Kutta Methods Combined with Richardson Extrapolation

Róbert Horváth (BME, HU)
Investigation of a Proton Exchange Membrane Fuel Cell Model by Parameter Fitting with Different Parameter Estimation Techniques

János Karátson (ELTE, HU)
Numerical Solution of Nonlinear Nonsymmetric Transport Systems

Enrique Zuazua (BCAM, SP)
Control and Numerics: Continuous versus Discrete Approaches

Participants (in alphabetical order)

Roberto Castelli (BCAM, SP) Cristian Mihai Cazacu (BCAM, SP)
Ramon Escobedo (AEPA, SP) Fotini Karakatsani (BCAM, SP)
Sergey Korotov (BCAM, SP) Balázs Kovács (ELTE, HU)
Aurora Marica (BCAM, SP) Miklós Mincsovics (ELTE, HU)
Yukihiko Nakata (BCAM, SP) Julia Sánchez (BCAM, SP)
Tamás Szabó (BCAM, SP)