



BRIN MATHEMATICS
RESEARCH CENTER

Frontiers of Numerical PDEs

MAY 16 - 19, 2023



About the Workshop

This conference aims to bring together a diverse set of researchers in numerical analysis to present state-of-the-art algorithms and approximation techniques for fractional diffusion equations, geometric evolution problems, optimal transport, and related PDEs. It will provide a collegial atmosphere for productive discussion and interchange of ideas regarding new tools for studying the stability, approximation, and convergence of numerical methods to solve a diverse range of problems in numerical analysis and scientific computing. The conference will also celebrate Ricardo H. Nochetto's 70th birthday, and honor his contributions to all of the above areas.

Organizers

Andrea Bonito, Texas A&M University
Enrique Otarola, Universidad Tecnica Federico Santa Maria, Chile
Abner J. Salgado, University of Tennessee
Shawn W. Walker, Louisiana State University

Local Organizing Committee

Howard Elman, University of Maryland
Tobias von Petersdorff, University of Maryland

Plenary Speakers

Mark Ainsworth, Brown University
Zhiming Chen, Chinese Academy of Sciences
Bernardo Cockburn, University of Minnesota
Ronald DeVore, Texas A&M University

Giuseppe Savare, Bocconi University
James Sethian, UC Berkeley
Jinchao Xu, Pennsylvania State University

Invited Speakers

Georgios Akrivis, University of Ioannina
Eberhard Baensch, Friedrich-Alexander-Universität
Erlangen-Nürnberg
Soeren Bartels, Albert Ludwigs University of Freiburg
Daniele Boffi, King Abdullah University of Science and Technology
Lucas Bouck, University of Maryland
Claudio Canuto, Politecnico di Torino
Long Chen, University of California Irvine
Georg Dolzmann, Universität Regensburg
Lucia Gastaldi, Università degli Studi di Brescia

Vivette Girault, Laboratoire Jacques-Louis Lions
Diane Guignard, University of Ottawa
Omar Lakkis, University of Sussex
Stig Larsson, Chalmers University of Technology
Charalambos Makridakis, University of Sussex
Pedro Morin, Universidad Nacional del Litoral
Maurizio Paolini, Università Cattolica del Sacro Cuore di Brescia
Rob Stevenson, University of Amsterdam
Andreas Veiser, Università degli Studi di Milano



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