Time Filters and Predictive Accuracy
University of Pittsburgh

Paul D. Williams, University of Reading
Time filters in weather and climate models

Adrian T. Hill, University of Bath
Digital filters for the leap-frog method

Victor DeCaria, University of Pittsburgh
Time filters yield variable stepsize, variable order algorithms

Peter Minev, University of Alberta
High-order artificial compressibility for the incompressible Navier-Stokes equations

Michael McLaughlin, University of Pittsburgh
Time Adaptive Artificial Compression Methods

Thomas Bewley, University of California San Diego
New low-storage IMEXRK schemes for the numerical simulation of high-dimensional stiff ODEs derived from diffusive PDE systems

Venue
Frick Fine Arts Building
Frick Fine Arts Auditorium

Traian Iliescu, Virginia Tech
Data-Driven Correction for Reduced Order Modeling of Nonlinear Systems

Alessandro Colombo, Università degli studi di Bergamo
On the development of an efficient order-adaptive discontinuous Galerkin method for the simulation of chaotic flows

Nan Jiang, Missouri University of Science and Technology
An ensemble algorithm for numerical approximation of stochastic Stokes-Darcy equations

Roger Lewandowski, Université de Rennes 1
On the Reynolds time-averaged equations and the long-time behavior of Leray-Hopf weak solutions of the Navier-Stokes Equations

Anyastassia Seboldt, University of Notre Dame
A non-iterative domain decomposition method for the interaction between a fluid and a thick, hyperelastic structure

Robert Dolan, University of Connecticut
Flux Partitioning and Reconstruction Methods for Atmosphere-Ocean Interaction

Michael Schneier, University of Pittsburgh
A POD Based Artificial Compression Scheme for the Incompressible Navier-Stokes Equations

Organizers
William Layton and Catalin Trenchea
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