Speakers

Eugenia Kalnay
Human and nature dynamics (HANDY): Modeling inequality and use of resources in the collapse or sustainability of societies

Traian Iliescu
Large Eddy Simulation Reduced Order Modeling

Nan Jiang
A fast algorithm to compute flow ensembles

Shane Ross
Lagrangian transport and mixing in fluids from geometric, probabilistic, and topological perspectives

Jeff Borggaard
Reduced-Order Compensators via Interpolatory Model Reduction

Xiu Ye
Weak Galerkin Method and Its Applications

Giusy Mazzone
On the motions of a liquid-filled pendulum

Aziz Takhirov
Uniform inf-sup condition for the Brinkman problem in highly heterogeneous media

Alexander Lozovskiy
Unconditionally stable semi-implicit scheme for the monolithic FSI Finite Element method: application to hemodynamics

Paul D. Williams
Achieving Seventh-Order Amplitude Accuracy in Leapfrog Integrations

Alexander Linke
Towards pressure-robust mixed methods for the incompressible Navier-Stokes equations

Martina Bukala
A loosely-coupled scheme for the interaction between a fluid, elastic structure and poroelastic material

Leo G. Rebholz
Improved accuracy in algebraic splitting methods for Navier-Stokes equations

Hoang Tran
A sparse grid method for Bayesian uncertainty quantification with application to large eddy simulation turbulence models

Yong Li
Fourth order Robert-Asselin type time filter

Mustafa Aggul
A high accuracy minimally invasive regularization technique for Navier-Stokes equations at high Reynolds number

Sarah Khankan
Predictability of average temperatures using ensembles

Xuping Xie
Approximate Deconvolution Reduced Order Modeling

Ali Pakzad
Energy dissipation in turbulence

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