workshop: Geometrical and statistical fluid dynamics: October 11-17, 2017

Events for:
Wednesday, October 11th - Tuesday, October 17th

Wednesday, October 11th

10:00am **Bardos, Claude - SCGP 102**

Title: The Onsager 1/3 rule in a bounded domain

10:45am **Coffee break - SCGP 102**

1:30pm **Constantin, Peter - SCGP 102**

Title: Remarks on high Reynolds number hydrodynamics

2:15pm **Buckmaster, Tristan - SCGP 102**

Title: Onsager conjecture and beyond

3:30pm **Discussion Session - SCGP 102**

Thursday, October 12th

10:00am **Glimm, James - SCGP 102**

Title: A scaling law for Kolmogorov 1962 and corrections to the log normal hypothesis

10:45am **Coffee break - SCGP 102**

11:15am **Bec, Jeremie - SCGP 102**

Title: Turbulent mixing and generalized flows

1:30pm **Biferale, Luca - SCGP 102**

Title: Lagrangian power statistics and irreversibility in turbulence

2:15pm **Brachet, Marc - SCGP 102**

Title: Thermalization in hydrodynamical systems

Friday, October 13th

10:00am **Spohn, Herbert - SCGP 102**

Title: Exact solutions of the stochastic Burgers equation

10:45am **Coffee break - SCGP 102**

11:15am **Friedlander, Susan - SCGP 102**

Title: A stochastically forced shell model of turbulence

1:30pm **Mailybaev, Alexei - SCGP 102**

Title: Inviscid limit for the Rayleigh-Taylor instability as a spontaneously stochastic dynamics

2:15pm **Eyink, Greg - SCGP 102**

Title: Stochastic Lagrangian Representation of Diffusion and Dissipation in Fluid Dynamics

3:30pm **Discussion Session - SCGP 102**

6:00pm **Banquet - SCGP Cafe**

Saturday, October 14th
Sunday, October 15th
Monday, October 16th

10:00am **Hertel, Tobias - SCGP 102**

Title: Serfati's method for Lagrangian time analyticity

10:45am **Coffee break - SCGP 102**

11:15am **Besse, Nicolas - SCGP 102**

Title: Regularity of Lagrangian incompressible Euler flow in a bounded domain

1:30pm **Khesin, Boris - SCGP 102**

Title: Geometry of motion of vortex sheets

2:15pm **Shnirelman, Alexander - SCGP 102**

Title: D'Alembert Principle, Weak Solutions of the Euler Equations, and Turbulence

3:30pm **Discussion Session - SCGP 102**

Tuesday, October 17th

10:00am **Pumir, Alain - SCGP 102**

Title: Large events in turbulence at very large Reynolds numbers

10:45am **Coffee break - SCGP 102**

11:15am **Czubak, Magdalena - SCGP 102**

Title: The effects of the negative curvature on the Navier-Stokes equations

1:30pm **Mahalov, Alex - SCGP 102**

Title: Stochastic 3D Navier-Stokes Equations + Waves: Averaging, Convergence and Regularity

2:15pm **Sullivan, Dennis - SCGP 102**

Title: Hydrodynamics via combinatorial topology

3:30pm **Discussion Session - SCGP 102**