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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:00am</td>
<td>Bardos, Claude</td>
<td>SCGP 102</td>
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<tr>
<td></td>
<td><strong>Title:</strong> The Onsager 1/3 rule in a bounded domain</td>
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<tr>
<td>10:45am</td>
<td>Coffee break</td>
<td>SCGP 102</td>
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<td>11:15am</td>
<td>Nussenzveig, Lopes Helena</td>
<td>SCGP 102</td>
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<td></td>
<td><strong>Title:</strong> Weak vorticity formulation for incompressible 2D Euler in domains with boundary</td>
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<tr>
<td>12:00pm</td>
<td>Lunch</td>
<td>SCGP Cafe</td>
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<td>1:30pm</td>
<td>Constantin, Peter</td>
<td>SCGP 102</td>
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<td><strong>Title:</strong> Remarks on high Reynolds number hydrodynamics</td>
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<td>2:15pm</td>
<td>Buckmaster, Tristan</td>
<td>SCGP 102</td>
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<td><strong>Title:</strong> Onsager conjecture and beyond</td>
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<tr>
<td>3:00pm</td>
<td>Coffee Break</td>
<td>SCGP 102</td>
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<tr>
<td>3:30pm</td>
<td>Discussion Session</td>
<td>SCGP 102</td>
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<td>10:00am</td>
<td>Glimm, James</td>
<td>SCGP 102</td>
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<td><strong>Title:</strong> A scaling law for Kolmogorov 1962 and corrections to the log normal hypothesis</td>
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<tr>
<td>10:45am</td>
<td>Coffee break</td>
<td>SCGP 102</td>
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</table>
11:15am  Bec, Jeremie - SCGP 102

Title: Turbulent mixing and generalized flows

12:00pm  Lunch - SCGP Cafe

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

3:00pm  Coffee Break - SCGP 102

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

12:00pm  Lunch - SCGP Cafe

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

3:00pm  Coffee Break - SCGP 102
Saturday, October 14th

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

12:00pm  
**Lunch - SCGP Cafe**

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

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

12:00pm  
**Lunch - SCGP Cafe**

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

3:00pm  
**Coffee Break - SCGP 102**

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