

<b>Monday, May 23</b>	<b>Mixing and Mixtures in Geo- and Biophysical Flows: A Focus on Mathematical Theory and Numerical Methods</b>
9:00 - 9:25	<b><i>BREAKFAST (hosted by CSCAMM)</i></b>
<b>MORNING SESSION</b>	
9:25 - 9:30	<b>Eitan Tadmor</b> (CSCAMM, University of Maryland) <i>Welcoming Remarks</i>
9:30 - 10:15	<b>Josef Málek</b> (Charles University in Prague) <a href="#">Activated fluids: continuum description, analysis and computational results</a>
10:30 - 11:15	<b>Josef Málek</b> (Charles University in Prague) <a href="#">Activated fluids: continuum description, analysis and computational results</a>
11:15 - 11:45	<b><i>COFFEE BREAK</i></b>
11:45 - 12:30	<b>Changhui Tan</b> (Rice University) <a href="#">On aggregation equations with alignment</a>
12:30 - 2:00	<b><i>LUNCH (hosted by CSCAMM)</i></b>
<b>AFTERNOON SESSION</b>	
2:00 - 2:45	<b>Andrej Zlatoš</b> (University of Wisconsin) <a href="#">Growth and singularity in 2D fluids</a>
2:45 - 3:15	<b><i>COFFEE BREAK</i></b>
3:15 - 4:00	<b>David Gérard-Varet</b> (Paris Diderot University) <a href="#">Synchronization in the Kuramoto model</a>
4:00 - 4:45	<b>David Ambrose</b> (Drexel University) <a href="#">Convergence of a boundary integral method for 3D interfacial flow with surface tension</a>
5:00 - 5:45	<b>Moon-Jin Kang</b> (University of Texas at Austin) <a href="#">On contraction of large perturbation of shock waves, and inviscid limit problems</a>

<b>Tuesday, May 24</b>	<b>Mixing and Mixtures in Geo- and Biophysical Flows: A Focus on Mathematical Theory and Numerical Methods</b>
9:00 - 9:30	<i><b>BREAKFAST (hosted by CSCAMM)</b></i>
<b>MORNING SESSION</b>	
9:30 - 10:15	<b>Josef Málek</b> (Charles University in Prague) <a href="#">Activated fluids: continuum description, analysis and computational results</a>
10:30 - 11:15	<b>Josef Málek</b> (Charles University in Prague) <a href="#">Activated fluids: continuum description, analysis and computational results</a>
11:15 - 11:45	<i><b>COFFEE BREAK</b></i>
11:45 - 12:30	<b>Debanjana Mitra</b> (Virginia Tech) <a href="#">Control of compressible Navier-Stokes system</a>
12:30 - 2:00	<i><b>LUNCH</b></i>
<b>AFTERNOON SESSION</b>	
2:00 - 2:45	<b>Michael Renardy</b> (Virginia Tech) <a href="#">Modeling thixotropic yield stress fluids as a limit of viscoelasticity</a>
2:45 - 3:15	<i><b>COFFEE BREAK</b></i>
3:15 - 4:00	<b>Jean-Paul Vila</b> (INSA Toulouse) <a href="#">2D versus 1D models for thin film flows</a>
4:00 - 4:45	<b>Julien Olivier</b> (Aix-Marseille University) <a href="#">Bridging the meso and macro scale to test a behavioral scenario for soft glasses</a>

<b>Wednesday, May 25</b>	<b>Mixing and Mixtures in Geo- and Biophysical Flows: A Focus on Mathematical Theory and Numerical Methods</b>
9:00 - 9:30	<i><b>BREAKFAST (hosted by CSCAMM)</b></i>
<b>MORNING SESSION</b>	
9:30 – 10:15	<b>David Lannes</b> (IMB Bordeaux and CNRS) Vorticity in shallow water flows: from wave current interactions to turbulent bores
10:15 - 11:00	<b>Vlad Vicol</b> (Princeton University) Inviscid limits for a stochastically forced shell model of turbulent flow
11:00 - 11:30	<i><b>COFFEE BREAK</b></i>
11:30 - 12:15	<b>Ewelina Zatorska</b> (Imperial College London) Traffic congestion modelled by the compressible Navier-Stokes equations
<b>AFTERNOON SESSION</b>	<i><b>Free Afternoon</b></i>
<b>EVENING ACTIVITIES</b>	
7:00	<i><b>DINNER</b></i>

<b>Thursday, May 26</b>	<b>Mixing and Mixtures in Geo- and Biophysical Flows: A Focus on Mathematical Theory and Numerical Methods</b>
9:00 - 9:30	<b><i>BREAKFAST (hosted by CSCAMM)</i></b>
<b>MORNING SESSION</b>	
9:30 - 10:15	<b>Jacob Bedrossian</b> (University of Maryland) <a href="#">Mixing and dissipation in fluids I</a>
10:30 - 11:15	<b>Jacob Bedrossian</b> (University of Maryland) <a href="#">Mixing and dissipation in fluids I</a>
11:15 - 11:45	<b><i>COFFEE BREAK</i></b>
11:45 - 12:30	<b>Giordano Tierra</b> (Temple University) <a href="#">Numerical methods for solving the Cahn-Hilliard equation and its applicability to mixtures of nematic-isotropic flows with anchoring effects</a>
12:30 - 2:00	<b><i>LUNCH (hosted by CSCAMM)</i></b>
<b>AFTERNOON SESSION</b>	
2:00 - 2:45	<b>Gianluca Crippa</b> (University of Basel) <a href="#">Exponential self-similar mixing by incompressible flows</a>
2:45 - 3:15	<b><i>COFFEE BREAK</i></b>
3:15 - 4:00	<b>Matthieu Hillairet</b> (University of Montpellier) <a href="#">Analysis of Stokes-Brinkman problem</a>
4:00 - 4:45	<b>Sona Akopian</b> (University of Texas at Austin) <a href="#">Convergence of solutions from Boltzmann to Landau homogeneous equations</a>

<b>Friday, May 27</b>	<b>Mixing and Mixtures in Geo- and Biophysical Flows: A Focus on Mathematical Theory and Numerical Methods</b>
9:00 - 9:30	<i><b>BREAKFAST (hosted by CSCAMM)</b></i>
<b>MORNING SESSION</b>	
9:30 - 10:15	<b>Jacob Bedrossian</b> (University of Maryland) <a href="#">Mixing and dissipation in fluids II</a>
10:30 - 11:15	<b>Jacob Bedrossian</b> (University of Maryland) <a href="#">Mixing and dissipation in fluids II</a>
11:15 - 11:45	<i><b>COFFEE BREAK</b></i>
11:45 - 12:30	<b>Christian Zillinger</b> (University of Bonn) <a href="#">On circular flows: linear stability and damping</a>
12:30	<i><b>CLOSING</b></i>