

Workshop on Interfacial Phenomena in Complex Fluids

Complex Liquids at Structured Surfaces: Theory Meets Experiment

Brookhaven National Laboratory, Upton NY, USA
23-25 June 2011

Scientific Coordinators: Antonio Checco (BNL), Mykola Tasinkevych (MPI, Stuttgart), Paulo Teixeira (CFTC, University of Lisbon)

Keynote Speakers:

Ben Hatton, *Harvard University, USA*
Joel Koplik, *Levich Institute, New York, USA*
David Pine, *New York University, USA*
Alex Travesset, *Iowa State University, USA*

Invited Speakers:

Markus Bier, *MPI Stuttgart, Germany*
Mathew Blow, *CFTC University of Lisbon, Portugal*
Antonio Checco, *Brookhaven Lab, USA*
Siegfried Dietrich, *MPI Stuttgart, Germany*
Filip Dutka, *MPI Stuttgart, Germany*
Andrei Fluerasu, *Brookhaven Lab, USA*
Masa Fukuto, *Brookhaven Lab, USA*
Oleg Gang, *Brookhaven Lab, USA*
Daniel de las Heras, *CFTC University of Lisbon, Portugal*
Felix Höfling, *MPI Stuttgart, Germany*
Dmytro Nykypanchuk, *Brookhaven Lab, USA*
Ben Ocko, *Brookhaven Lab, USA*
Nuno Silvestre, *CFTC University of Lisbon, Portugal*
Mykola Tasinkevych, *MPI Stuttgart, Germany*
José Maria Tavares, *CFTC University of Lisbon, Portugal*
Paulo Teixeira, *CFTC University of Lisbon, Portugal*
Margarida Telo da Gama, *CFTC University of Lisbon, Portugal*
Alexei Tkachenko, *Brookhaven Lab, USA*
Oleg Vasilyev, *MPI Stuttgart, Germany*

Local organizing Committee:

Antonio Checco
Oleg Gang
Arlene Rementer (conference coordinator)

Sponsors:



Location: Center for Functional Nanomaterials ,
Brookhaven Lab, Building 735, Upton NY 11973, USA



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<https://indico.bnl.gov/conferenceDisplay.py?ovw=True&confId=383>

Purpose:

The workshop provides an informal venue for theorists and experimentalists to present their latest results on the behavior of complex fluids at structured surfaces with the emphasis on:

- **superhydrophobic surfaces**
- **liquid flow over heterogeneous solids**
- **complex fluids at patterned substrates**
- **liquid crystals**
- **ionic liquids**
- **surface-directed colloidal self-assembly**
- **patchy colloidal particles**

The workshop kicks off a collaborative research program titled “Complex Liquids At Structured Surfaces” involving teams at BNL, CFTC Lisbon and MPI Stuttgart. It is co-sponsored by DOE and the European Commission under the Marie Curie FP7-People program grant number PIRSES-GA-2010-269181-CLASS.