



# Cargèse International School 2020

## Transport in Narrow Channels

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### Web site

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The aim of this workshop is to bring together leaders in the challenging field of transport in narrow channels, encountered in diverse areas of physics, chemistry and biophysics. We seek to promote interdisciplinary research, in particular between the synthetic device-oriented and biophysical communities. The mixture of topics and approaches will provide an opportunity to clarify open questions from different perspectives and to engage in a vibrant scientific discussion that may open new research areas.

#### Main topics

- ionic liquids in narrow pores
- translocation of polymers in pores
- active micro-rheology and active transport in narrow channels
- transport across biological channels and pores
- transport in narrow channel micro-fluidics.

#### Invited Speakers

*Sergey Bezrukov (NIH), Enrico Carlon (KU Leuven), Mauro Chinappi (Univ di Roma Tor Vergata), Robert Coalson (Univ of Pittsburgh), Pavol Kalinay (Slovak Academy of Sciences), Ulrich Keyser (Univ of Cambridge), Jens Harting (Helmholtz Inst Erlagen Nürnberg), Hartmut Loewen (Univ Düsseldorf), Gleb Oshanin (Sorbonne Univ), Ignacio Pagonabarraga (Univ of Barcelona), Antonio Puertas (Univ de Almeria), Charles Reichhardt (Los Alamos National Lab), Cynthia Reichhardt (Los Alamos National Lab), Marisol Ripoli (Forschungszentrum Jülich), Benjamin Rotenberg (Sorbonne Univ), Miguel Rubi (Univ of Barcelona), Igal Szleifer (Northwestern Univ), Julia Yeomans (Univ of Oxford), Rene van Roij\* (Univ of Utrecht), Olga Vinogradova (Russian Academy of Sciences), Pascal Viot (Sorbonne Univ), Iker Zuriguel (Univ de Navarra)*

#### Organization Committee

Paolo Malgaretti (Max Planck Inst. DE), Julian Talbot (Sorbonne Univ. FR)

#### Application and registration

<https://sites.google.com/view/transportinnarrowchannels/home?authuser=0>

Deadline Application : 2020, 30<sup>th</sup> January

Registration Fees : €200