

Simulations of Small Angle Scattering for Soft Matter and Life Sciences

Sim
SAS+

8 - 11/12 April 2019

Institut Laue-Langevin, Grenoble, France

<https://workshops.ill.fr/e/simSAS2019>



The field of modeling in Soft Matter and Life Sciences is growing tremendously. Yet the gap between the expertise of dedicated research groups in simulation and the knowledge of Small Angle Scattering users is widening.

This CECAM workshop aims at bridging these two worlds by gathering developers of multi-scale simulation methods and expert users of small angle scattering techniques.

The state-of-the-art will be discussed by invited speakers, including their accessibility and limitations. SAS experimentalists from Soft Matter and Life Sciences are encouraged to attend and provide feedback.

Two sessions will be dedicated to parallel working groups to promote collaborations between simulations and Small Angle Scattering communities. Tutorials demonstrating software and methodologies for simulations of Soft Matter and Life Sciences systems are organized at the end of the conference.

Scientists (incl. PhD students and post-docs) who wish to attend can register and bring posters.

Invited speakers

Lise Arleth - Copenhagen, Denmark
Pau Bernado - Montpellier, France
Jayesh Bhatt - London, UK
Cécile Breyton - Grenoble, France
Janusz Bujnicki - Warsaw, Poland
Cezary Czaplewski - Gdańsk, Poland
Matteo Dal Peraro - Lausanne, Switzerland
Karen Edler - Bath, UK
Daniel Franke - Hamburg, Germany
Tom Grant (remotely) - Buffalo, NY, USA
Wick Hatch - Gaithersburg, USA
Jochen Hub - Saarland, Germany
Dominik Horinek - Uni. Regensburg, Germany
Gerald Kneller - Orléans, France
Christos Likos - Vienna, Austria
Adam Liwo (tutorial) - Gdansk, Poland
Massimo Marchi - Saclay, France
Angel Moreno - San Sebastian, Spain
Roland Netz - Berlin, Germany
Peter Olmsted - Georgetown, USA
Kanupriya Pande - Berkeley Lab, USA
Javier Perez - Gif-sur-Yvette, France
Stephen Perkins - London, UK
Loukas Petridis - Oak Ridge, USA
Frédéric Poitevin - Stanford, USA
Wojciech Potrzebowski - Copenhagen, Denmark
Dina Schneidman - Jerusalem, Israel
Marie Skepö - Lund, Sweden
Alex Sodt - Bethesda, USA
Kentaro Tomii - Tokyo, Japan
Sebastian Westenhoff - Gothenburg, Sweden



Organisers

Jean-Louis Barrat - Université Grenoble Alpes
Sergei Grudin - Inria / CNRS
Anne Martel - Institut Laue-Langevin
Sylvain Prévost - Institut Laue-Langevin