

14th International Conference on the Physics and Chemistry of Ice



PCI 2018

January 8–12, 2018

ETH Zürich, Switzerland

<http://indico.psi.ch/event/PCI2018>

Highlight:
Day trip to PSI – tour our
large-scale facilities.

Keydates

Abstract submission
1.7.2017–20.9.2017

Registration
16.10.2017–06.12.2017

Steering Committee

John S. Wettlaufer, USA
(chair)
Masahiko Arakawa, Japan
Ian Baker, USA
Thorsten Bartels-Rausch,
Switzerland
Yoshi Furukawa, Japan
Robert Gagnon, Canada
Werner F. Kuhs, Germany
John Loveday, UK
Valeria Molinero, USA
Maurine Montagnat, France
Jan Pettersson, Sweden

This international symposium series dates back 55 years and is devoted to research on all aspects of ice. The broad field of topics is linked by the focus on fundamentals.

Topics

Ice and Life (Near and Far, Far away)

- Ido Braslavsky (Hebrew University, Israel) on ice binding proteins and cryobiology

Surfaces, Interfaces and Nucleation

- Katrin Amann-Winkel (Stockholm University, Sweden) on amorphous ice and glass transitions
- Hendrik Bluhm (Lawrence Berkeley National Laboratory, USA) on water and ice surfaces
- Jan Petterson (University Gothenburg, Sweden) on heterogeneous ice nucleation

Crystal Growth

- Peter Kusalik (University of Calgary, Canada) on growths of ices from molecular simulations
- Yoshinori Furukawa (Hokkaido University, Japan) on crystal growth; fundamentals to experiments on ISS

Microstructure & Mechanics

- Ian Baker (Dartmouth College, USA) on defects, micro-mechanics and fabric
- Livia Bove (EPFL, Switzerland) on high pressure phenomena

Fundamentals of Cryospheric Processes

- Ian Hewitt (University of Oxford, UK) on glaciological friction
- Jerome Weiss (ISTERRE, France) on sea ice rheology
- Andrew Wells (University of Oxford, UK) on sea ice thermodynamics
- Steve Warren (University of Washington, USA) on optical properties of ice and snow

