

## **Session Program**

**Jan 7 - 12, 2018**



## **14th International Conference on the Physics and Chemistry of Ice (PCI-2018 in Zürich)**

### ***Poster Session & Apéro Riche (apéro dîner)***

ETH Zürich, centre, NO Building, Room C 60  
Sonnegstrasse 5 8092 Zürich

# Wed, January 10

6:10 PM

## Poster Session & Apéro Riche (apéro dîner)

Poster Session | Location: Paul Scherrer Institut, OASE

### Humic-like products formation via the reaction of phenol with nitrite in ice phase

**Speaker**

Mr Dae Wi Min

### Depth Profiles of Solutes at the air-ice Interface

**Speaker**

Thorsten Bartels-Rausch

### Interfacial premelting of ice in nanocomposite materials

**Speaker**

Dr Hailong Li

### Enhanced redox chemical transformation in ice and its environmental implications

**Speaker**

Dr KITAE KIM

### Vibrational Relaxation of water at the Ice - Air Interface

**Speaker**

Ms Prerna Sudera

### Polycyclic Aromatic Hydrocarbons on Ice

**Speaker**

Dr Jenee Cyran

### Ion diffusion on amorphous ice surface

**Speaker**

Mr Norifumi Hara

### Adsorption of halogenated methane derivatives at the ice surface under tropospheric conditions, as seen from Grand Canonical Monte Carlo simulations

**Speaker**

Dr Sylvain PICAUD

### Bulk and Surface reactivity in frozen salt-organic-ice mixtures.

**Speaker**

Thorsten Bartels-Rausch

### Frosts on cooling glass surfaces with micro-scale lattice-patterned grooves

**Speaker**

Prof. Yoshimichi Hagiwara

### Transport properties of sea ice from X-ray microtomographic imaging - evidence for directed percolation

**Speaker**

Dr Sönke Maus

**Na<sup>+</sup>, F<sup>-</sup>, Br<sup>-</sup> and Cl<sup>-</sup> Adsorptions and Penetrations on Ice Surface****Speaker**

Prof. Cheol Ho Choi

**Molecular dynamic simulation on the interaction between 'antifreeze' polypeptide, water and an ice****Speaker**

Mr Tadashi Kaijima

**Temperature dependence of the growth kinetics of elementary spiral steps on ice basal faces grown from water vapor****Speaker**

Mr Masahiro Inomata

**Formation of quasi-liquid layers on polycrystalline ice****Speaker**

Mr Jialu Chen

**The Effects of H<sub>2</sub>SO<sub>4</sub> on the Mechanical Behavior and Microstructural Evolution of Polycrystalline Ice****Speaker**

Dr Ian Baker

**Mass Accommodation and Rates of Evaporation of H<sub>2</sub>O, HNO<sub>3</sub> and HCl on HNO<sub>3</sub> hydrates (alpha-NAT, beta-NAT, NAD) in the range 175-200 K****Speaker**

Dr Michel J. ROSSI

**Investigation of Ethanol at the Ice Surface using Sum-Frequency Generation Spectroscopy****Speaker**

Mr Johannes Kirschner

**Investigation of Ice-Binding Proteins using Heterodyne-Detected Vibrational Sum-Frequency Generation Spectroscopy****Speaker**

Ms Carolyn Moll

**The heterogeneous formation process of clouds below 150K****Speaker**

Mr Mario Nachbar

**Towards the surface science of ice nucleation on aqueous organic solutions and solid substrates****Speaker**

Mr HUANYU YANG

**The Cryosphere and ATmospheric CHemistry (CATCH): Research challenges and opportunities for collaboration****Speaker**

Dr Jennie Thomas

**Nucleation and deposition growth of ice crystals on mineral substrates**

**Speaker**

Dr Alexei Kiselev

**The vapor pressure over nano-crystalline and amorphous ice**

**Speaker**

Dr Denis Duft

9:15 PM