



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

## Tuesday, January 9, 2018

**Poster & Lunch - NO Building (12:15 PM - 1:45 PM)**

**Poster & Lunch - NO Building, Room C 60 (12:35 PM - 2:05 PM)**

[id] title	presenter	board
[132] Isothermal metamorphism of snow: measurement of interface velocities and phase-field modeling for a better understanding of the involved mechanisms	FLIN, Frederic	
[139] Quantifying black carbon deposition to Greenland surface snow from forest fires in Canada	Dr THOMAS, Jennie	
[26] Dielectric Response in Ice Ih: Signals Perpendicular to an Electric Field of 1 Hz to 1 MHz Applied to Cubes of Ice	Prof. TAKEI, Iwao	
[27] The phase diagram of ice	Dr YEN, Fei	
[95] Effect of rare gas matrix confinement on water nuclear spin conversion	Dr VERMETTE, Jonathan Mr PUTAUD, Thomas	
[29] Ice freezing and gas hydrate formation in water-in-oil emulsions	STOPOREV, Andrey	
[97] Methane dynamics and pressure induced hydrogen bond symmetrisation in filled ice methane hydrates	Dr GAAL, Richard	
[96] Generation of pure H <sub>2</sub> O-ortho molecular beam with a Stern-Gerlach like experiment for nuclear spin conversion studies	Dr VERMETTE, Jonathan	
[58] Ice particle classification using a deep learning algorithm	Ms LAUBER, Annika	
[55] Effect of Electric Field on Optical Phonon Modes of Solid CO	Mr KANG, Hani	
[57] Interaction of Low Energy (0-20 eV) Electrons with Sulfur Dioxide on Ice Surfaces	Mr BANG, Jaehyeock	
[114] Quasi-continuous generation and rheological characterisation of CO <sub>2</sub> -gas hydrate ice crystal slurries	SEDIVA, Zuzana	
[117] Crystallization of ice in AFP-III solutions	Prof. FURUKAWA, Yoshinori	
[112] Modeling and field study of the influence of bauxite mining residues tailings on snow albedo	Ms MAURAI, Josée	
[80] Proton Tunneling in High Pressure Ices	Dr IITAKA, Toshiaki	
[85] Structure and dynamics of amorphous ice including gas molecules	Mr NAOSHIMA, Yasuhito	
[100] Measuring the elastic modulus of snow	Mr GERLING, Bastian	
[101] Inclusion of ammonium ion into clathrate hydrate in subsurface ocean of icy moons	Mr NISHITANI, Ryusuke	
[106] Modelling phase diagrams of crystalline ice structures - a comparison of force fields and density functional theory	Mr RASTI, Soroush	
[105] Nitrogen trapping in amorphous ice and its transformation into clathrates	Prof. CHAZALLON, Bertrand	
[30] Unexpected formation of sII methane hydrate in some water-in-oil emulsions	STOPOREV, Andrey	

<b>[36] A new parametrization and minimal model for glacier calving</b>	Dr LUETHI, Martin	
<b>[62] Pattern Formation in Ice Under Selective Infrared Radiation</b>	Mrs PREIS, Shlomit	
<b>[69] SEM observation on hydrate formation from TBAB aqueous solution and memory effect</b>	Mr MACHIDA, Hironobu	
<b>[160] The self-preservation effect in CO<sub>2</sub> clathrate hydrates at low driving forces</b>	Mr ARZBACHER, Stefan	
<b>[161] Location and composition of micro-inclusions in deep ice from the EDML ice core (Antarctica) using optical microscope and cryo-Raman spectroscopy.</b>	Mr EICHLER, Jan	
<b>[162] EBSD analysis of subgrain boundaries and dislocation slip systems in Antarctic and Greenland ice</b>	Mr EICHLER, Jan	
<b>[163] Calorimetric determination of the unfrozen water content in glacier ice</b>	Dr LUETHI, Martin	
<b>[17] Grand Canonical Monte Carlo Simulations of the Ammonia clathrate hydrate</b>	Mr FABIAN, Balazs Dr PICAUD, Sylvain	
<b>[19] Room-temperature Salt Solutions L-VI-VII Icing by Compression</b>	Prof. SUN, Changqing	
<b>[155] Quantum dynamics of H<sub>2</sub> molecules confined in ice XVII</b>	Dr ULIVI, Lorenzo	
<b>[44] Electrocrystallisation of water/ice nano-droplets</b>	Prof. ENGLISH, Niall	
<b>[157] Brittle and Elastic Ice Shelves: Coupling fracture and wave propagation</b>	Dr LIPOVSKY, Bradley Paul	
<b>[159] Structural change of amorphous ice with warming</b>	Mr KINJO, Akimichi	
<b>[48] Enhancement of dipolar dynamics and hydrogen ordering: Dielectric studies of doping effects</b>	Ms PLAGA, Lucie	
<b>[49] Fundamental Similarity of Water and Ice Dielectric Responses</b>	Dr ARTEMOV, Vasily	
<b>[42] Experimental and model based investigation of the links between snow bidirectional reflectance and snow microstructure</b>	FLIN, Frederic Dr DUMONT, marie	
<b>[43] Icicle ripples: toward a model with impurities</b>	Mr LADAN, John	
<b>[144] Freezing of sessile droplets on glass surfaces coated with antifreeze polypeptides by a silane coupling agent</b>	Prof. HAGIWARA, Yoshimichi	
<b>[148] Brownian ratchet model - particle and ice front interaction</b>	Mr CHASNITSKY, Michael	

**Poster & Lunch: second block, rather drinks (no lunch) - NO Building (3:25 PM - 4:55 PM)**