

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

Speaker: Dr. Yuki Nagata

Max Planck Institute for Polymer Research

Date: January 08, 2017

Venue & Time: S. N. Bose Hall at 3.00 PM

Title : molecular modeling of water air and ice air interfaces

Abstract: When water is in contact with air phase, the water hydrogen-bonded network is interrupted, differentiating the properties of interfacial water from that of bulk water. We focus on the water-air interface [1] and ice-air interface [2] and reveal the anomaly of the water at these interfaces through theoretical sum-frequency generation technique.

[1] T. Ohto, ..., Y. Nagata, J. Chem. Phys. 2015

[2] W. Smits, F. Tang, ..., Y. Nagata, Phys. Rev. Lett., 2017.