

One-day Physical Chemistry Symposium

Date: 7th February, 2017

Venue: C. V. Raman Hall

Session - 1: **Chair - Professor Debashis Mukherjee**

10:15 - 11:00 **Speaker: Professor A. J. C. Varandas, University of Coimbra, Portugal**

Title: On the Born-Oppenheimer Approximation: Implications, Generalization, Related Issues

11:00 - 11:30 **Tea Break**

Session - 2: **Sir J. C. Bose Endowment Lecture (Institute's Program)**

11:30 - 12:30 **Speaker: Professor T. J. Martinez, Stanford University, USA**

Title: Discovering Chemistry With Advanced Computing and Machine Learning

Session - 3: **Chair - Professor Shankar Prasad Bhattacharyya**

03:00 - 03:45 **Speaker: Professor Tapas Chakraborty**

Title: Electronic spectroscopy and bond-dissociation dynamics of selected binary phenol clusters

03:45 - 04:15 **Tea Break**

04:15 - 05:00 **Speaker: Professor Satrajit Adhikari**

Title: Beyond Born-Oppenheimer Theories for Spectroscopic and Scattering Processes