

On

Physics and Chemistry of Oxides : Theory meets Experiment (PCOTE17)

Date : 3rd to 5th January, 2017

Venue : Vedic Village Spa and Resort, Kolkata, India.

The interplay of charge, spin and orbital degrees of freedom in oxide materials gives rise to a plethora of exciting phenomena, which includes high temperature superconductivity, colossal magnetoresistivity, metal-insulator transition, spin crossover, interface magnetism and conductivity etc. The rapid process of both experimental & theoretical techniques and simultaneous synthesis of new oxide materials have made this field a site of many activities.

Discussion Topics

Charge and orbital ordering
 Multiferroicity
 Heterostructures
 Correlation effects
 Phase Transition & Magnetism

Partial list of Speakers

Overseas Spakers

A. Norquist (Haverford College)
 J. Rondinelli (Northwestern University)
 K. Poepplmeier (Northwestern University)
 L. Marks (Northwestern University)
 M. Azuma (Tokyo Institute of Technology)
 M. Randeria (Ohio State University) *
 P. Attfield (University of Edinburgh)
 P. Woodward (Ohio State University)
 R. Seshadri (UC Santa Barbara)
 S. Satpathy (University of Missouri)
 S. Stemmer (UC Santa Barbara)

Indian Spakers

A. Bid (IISc, Bangalore)
 A. Garg (SINP, Kolkata)
 A. K. Raychaudhuri (SNBNCBS, Kolkata)
 D. D. Sarma (IISc, Bangalore)
 I. Dasgupta (IACS, Kolkata)
 P. Mahadevan (SNBNCBS, Kolkata)
 P. Majumdar (HRI, Allahabad)
 R. Budhani (IIT Kanpur)
 S. Kumar (IISER, Mohali)
 S. Ray (IACS, Kolkata)
 T. V. Ramakrishnan (BHU, Varanasi)
 U. Waghmare (JNCASR, Bangalore)

Organising Committee

US Principal Investigator

Kenneth Poepplmeier
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Indian Principal Investigator

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t.sahadasgupta@gmail.com

Special Lecture : C. N. R. Rao (JNCASR, Bangalore) *

* Tentatively confirmed

Local Committee (SNBNCBS)

Tanusri Saha-Dasgupta
 Manoranjan Kumar
 Shreemoyee Ganguli

Last date for registration

10th December 2016

Interested persons may write to : pcote17@bose.res.in

For more details visit : <http://www.bose.res.in/conferences/PCOTE17/>