

Invited Speakers ACCMS TM-2016

Sl. No.	Name	Address	Tentative Title of Talk	Country
1	Prof. Yoshiyuki Kawazoe	Tohoku University, Sendai	How to Predict New Materials such as Penta-graphene with Confidence without Experiments	Japan
2	Prof. Puru Jena	Virginia Commonwealth University, Virginia	From Clusters to Crystals: A Bottom-up Design of Energy Materials	USA
3	Prof. G. P. Das	Indian Association For Cultivation of Science, Kolkata	Computational design of layered 2D materials and their Van der Waals heterostructures	India
4	Dr. Vijayamohan Pillai	Central Electrochemical Research Institute, Karaikudi	Applications of heteroatom doped Graphene and its analogues for Electrochemical Energy Storage	India
5	Prof. U. V. Waghmare	Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Tuning Electronic Structure, Topology and Thermoelectric Properties of Metal Chalcogenides: First-principles Simulations	India
6	Prof. Nguyen Dinh Duc	Vietnam National University, Hanoi.	Nanocomposite materials for energy conversion and storage.	Vietnam
7	Prof. Shiv Khanna	Virginia commonwealth University, Virginia	Stable Nanocatalysts and Novel Nanomagnets for Energy and Environment	USA
8	Prof. Takeo Yamaguchi	Chemical Resources Laboratory ,Tokyo Institute of Technology	Systematic material design and development for Fuel Cells	Japan
9	Prof. Hisato Yasumatsu	Toyota Technological Institute, Nagoya	Studies on catalytic activity driven by size-selected metal clusters supported on semiconductor materials	Japan
10	Prof. Shobhana Narasimhan	Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru	Strongly Size-Dependent Oxidation and Reduction of Cu Clusters	India
11	Prof. M. S. Ramachandra Rao	Indian Institute of Science Madras		India
12	Prof. K. R. Lee	Korea Institute of Science and Technology, Seoul	Web-based Virtual Lab for the Design of Li Ion Battery Materials: <i>iBat</i>	Republic of Korea
13	Prof. T. Som	Institute Of Physics, Bhubaneswar	Surfing ion-beam fabricated self-organized silicon nanofacets for cold cathode electron emission sites	India
14	Prof. Chakram Jayanthi	University of Louisville	Function-Oriented Design and Band Gap Engineering of Two-Dimensional Materials for Clean Energy Applications: Hybrid Hexagonal Boron Nitride/Graphene Sheets and Holey Graphene	USA
15	Prof. A. K. Singh	Indian Institute of Science, Bengaluru	Challenges in exploiting the Kubas Interaction in Hydrogen Storage	India
16	Prof. Kaito Takahashi	Institute of Atomic and molecular Sciences, Academia Sinica	Complex electronic structure of Criegee Intermediates	Taiwan
17	Prof. Jer-Lai Kuo	Institute of Atomic and Molecular Sciences, Academia Sinica	Computational Material Design of Two Dimensional Materials and Their Energy Applications	Taiwan
18	Prof. Hiroshi	Korea Institute of Science and	Computational Design and	Republic

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	Mizuseki	Technology, Seoul	Screening of Gas Separation Materials	of Korea
19	Prof. R. Sahara	Research Center for Strategic Materials, National Institute for Materials	Theoretical investigation of electronic structures in structural materials.	Japan
20	Prof. Prasenjit Sen	Harish-Chandra Research Institute, Allahabad	Strain engineering of carrier mobility in monolayer phosphorene	India
21	Dr. Chiranjib Majumder	Bhabha Atomic Research Centre, Mumbai	Tailoring properties of low dimensional systems: Support makes the difference	India
22	Prof. Nurbosyn U. Zhanpeisov	Tohoku University, Sendai	Structure and Chemical Activity of Selected Transition Metal and Metal Oxide Catalysts: Theoretical DFT Study	Japan
23	Dr. M. Navaneethan	Shizuoka University	Investigation of thermal conductivity properties of ZnO nanostructures coated fabric for wearable thermoelectric applications	Japan
24	Prof. Tanushri Saha Dasgupta	S.N. Bose National Centre for Basic Sciences	Understanding and Manipulation of Physical and Chemical Processes in Complex Materials: A first-principles Approach	India
25	Prof. Sang Uck Lee	Hanyang University	Structure-Activity Relationship in Graphene Based Electrocatalysts for Hydrogen Evolution Reaction	Republic of Korea
26	Prof. Vijay Kumar	Shiv Nadar University, Noida	Mixed Perovskites and IV-VI 2D materials for Photovoltaic Applications	India
27	Prof. V. Subramanian	National Physical Laboratory	Computational Evaluation of Donor-Bridge-Acceptor (D-B-A) Motifs for High Performance Optoelectronic Device Applications	India
28	Prof. Sugata Mukherjee	SN Bose National Centre for Basic Sciences	Thermoelectric Properties of the Heterostructures of Graphene and h-BN and related Two-dimensional Nanomaterials : A first-principles approach	India
29	Dr. Seung-Cheol Lee	Indo-Korea Science & Technology Center	Current Research Activities of IKST and Design of Alloy and Compound Catalysts for Fuel Cell Applications	India-Korea
30	Dr. Talgat M. Inerbaev	L.N. Gumilyov Eurasian National University	Spin Unrestricted Excited State Relaxation Study of Doped Anatase	Kazakhstan