

A two-day symposium on
Trends in Physical Chemistry

Department of Chemistry, IIT Bombay

March 13-14, 2015

VMCC Room 21

13th March, Friday

- 2:00 PM** **Inauguration:** Prof. R. Murugavel, Head of Chemistry Department
- 2:15 PM -3:25 PM** **Session 1**
Chair: Prof. R. Murugavel
- 2:15 PM **Prof. Nand Kishore**, IIT Bombay, *on Prof. A. Q. Contractor*
- 2:30 PM **Prof. B. L. Tembe**, IIT Bombay, *on Prof. S. N. Datta*
- 2:45 PM **Dr. Pankaj Singh**, Goa University
My Impressions of Professor A. Q. Contractor (as his Ph.D. student and onwards)
- 3:05 PM **Dr. Anirban Panda**, J. K. College, West Bengal
Partial Orderings in Chemistry: A Study on the Substitution Reaction Network of Azines
- 3:25 PM** **Tea**
- 4:00 PM – 6:00 PM** **Session 2**
Chair: Prof. S. Durani
- 4:00 PM **Prof. Swapan Ghosh**, BARC
Modeling Chemistry through density
- 4:30 PM **Prof. Sourav Pal**, NCL
Complex absorbing potential based methods for electron molecule shape resonance and inter-atomic coulombic decay
- 5:00 PM **Dr. Ravi Venkataramani**, TIFR
Current and Charge Flow Through Molecules
- 5:30 PM **Prof. Santosh Haram**, University of Pune
*Electrochemistry *weds* Materials: Welcome to Celebrate the Perfect Match*
- 7:30-10.00 PM** **Dinner** at Gulmohar Banquet Hall for faculty members, speakers and registered students

14TH March, Saturday

- 9:30 AM – 11:00 AM** **Session 3**
Chair: Prof. V. K. Singh
- 9:30 AM **Prof. Kankan Bhattacharyya**, IACS Kolkata
Study of Protein Folding by Single Molecule Spectroscopy
- 10:00 AM **Dr. M. Musthafa**, IISER Pune
A Chemically Rechargeable Solar Battery
- 10:30 AM **Prof. K. Vijayamohanan**, CECRI, Karaikudi
Electrochemical synthesis of doped graphene quantum dots
- 11:00 AM** **Tea**
- 11:30 AM – 12:30 PM** **Session 4**
Chair: Prof. H. B. Singh
- 11:30 AM **Prof. S. Sampath**, IISc Bangalore
Electrocatalysts Based on Transition Metal Nitrides and Chalcogenides
- 12:00 noon **Prof. Pushpito Ghosh** CSMCRI
Recent Developments in membrane processes of practical relevance
- 12:30 PM** **Lunch** at VMCC Foyer (2nd floor) for faculty members, speakers, staff and registered students
- 2:00 PM – 4:00 PM** **Session 5**
Chair: Prof. Y. U. Sasidhar
- 2:00 PM **Dr. Prerna Goradia**, Applied Materials
Electrochemistry in Semiconductor Device Processing
- 2:30 PM **Dr. Anirban Misra**, North Bengal University
Our journey with magnetism, guided by a magnetic personality
- 3:00 PM **Prof. Dilip K. Maity**, BARC
Theoretical studies on size selected solvated clusters: Understanding towards solvation at molecular level
- 3:30 PM **Prof. N. Periasamy**, TIFR
Spectroscopy: Future directions
- 4:00 PM** **Tea**
- 4:30 PM – 5:30 PM** **Session 6**
Chair: Prof. D. Khakhar
- 4:30 PM **Prof. S. N. Datta**, IIT Bombay
Fragments of Imagination
- 5:00 PM **Prof. A. Q. Contractor**, IIT Bombay
In the company of friends
- 5:30 PM** **Vote of thanks**