

The DST-SERB Winter School on Computational Chemistry is being organized by Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 9-13, December 2013.

The school is for senior Ph.D students and junior faculty members, post-doctoral fellows, who are working in any of the research areas covering computational aspects of chemistry in the country. The theme emphasizes theory and applications based on quantum mechanics, computational aspects, molecular mechanics and dynamics etc.

KEY TOPICS

Review of Postulates of Quantum Mechanics, The Born-Oppenheimer Approximations, Hartree Products, Huckel Theory, Bond Order and Charge Density Analysis, Ab initio Methods, Density Functional Theory, Hybrid or Hyper-GGA Methods, Introduction to Empirical Force Fields and Force Field Parameterization, Introduction to Elementary Statistical Measures, Roots of VB Theory, Equation of Motion and Dynamics Trajectories.

Patron: Prof. Dr. Harish Padh, Vice Chancellor, Sardar Patel University, Vallabh Vidyanagar

Chairman: Prof. Dr. H. S. Patel, Head, Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar

Coordinator: Prof. Dr. N. V. Sastry, Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar – 388120, Gujarat, Tel. (O) 02692-226855 extn. 223 (M): 9824956978 Fax: 02692-226864, Email: wsc.chemspu@gmail.com

Co-coordinator: Dr. Biswajit Ganguly, Scientist E-1, Analytical Division, Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat. Email: ganguly@csmcri.org

Treasurer: Dr. S. S. Soni, Asst. Professor, Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar

Core faculty resource persons

Prof. S. R. Gadre, IITK, Kanpur

Prof. S. Ramasesha, IISc, Bangalore

Prof. M. S. Gopinathan, IISER, Thiruvananthapuram

Dr. Narahari Sastry, CSIR-IICT, Hyderabad

Prof. Dr. S. P. Gejji, Univ. Pune

Prof. R. B. Sunoj, IITB, Mumbai

Dr. D. K. Maity, BARC, Mumbai

Dr. Sudhir Kulkarni, VLife Technologies, Pune

Dr. C. H. Suresh, CSIR-NIIST, Thiruvananthapuram

Dr. Nishant Niar, IITK, Kanpur

Prof. R. N. Shirsat, Univ. Goa

Dr. Biswajit Ganguly, CSIR-CSMCR, Bhavnagar

Last Date of Application

20 November 2013

Please apply mentioning the following details

- ◆ Name, affiliation and research interest ◆ Current CV ◆ Recommendations for research scholars obtained from Supervisors and for faculty members, it should be from the HoD/Employer ◆

The above information may be sent by e-mail to wsc.chemspu@gmail.com

For more detail, please refer to our website at <https://sites.google.com/site/dstserbwsc2013/>

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FORFAR II

SERB school on

FUNDAMENTALS OF RADAR FOR ATMOSPHERIC RESEARCH

5-28th, February 2014

MAJOR TOPICS

Structure and Dynamics of the Atmosphere; Radiative Processes in the Atmosphere; Tropical Weather Systems; Atmospheric Remote Sensing Techniques; Introduction to Atmospheric Radars; Doppler Weather Radars; Wind Profiler Radars; Fundamentals of Radar Signal Processing; Data Retrieval and Analyzing Methods; Data Assimilation and Numerical simulations

for any further query, please contact:

Prof. P. Mohanan

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IMPORTANT DATES

Registration opening : NOVEMBER 1, 2013
Registration deadline : NOVEMBER 30, 2013
Admission list publishing : DECEMBER 15, 2013

Application should be submitted thorough ONLINE only
you can register at <http://acarr.cusat.ac.in>

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