



PONDICHERRY UNIVERSITY

Department of Physics



ज्ञान - विज्ञानं विमुक्तये

University Grants Commission (UGC)

Sponsored

SEMINAR

on

STRUCTURAL ANALYSIS THROUGH X-RAY DIFFRACTION

(SAXD-2016)

28-29, January 2016

About SAXD-2016

The seminar is intended primarily for younger scholars who will be using XRD as part of their research work and wish to improve their understanding of the underlying principles and practice. The seminar is designed to provide a good mixture of lectures as well as data analysis tutorials sessions.

Potential topics to be covered during the seminar are: indexing, ICDD PDF packages, full profile fitting, Rietveld refinement and ab initio structure determination. Single crystal approaches and methods, data collection, structure determination and refinement.

List of Invited Speakers

Prof. T. N. Guru Row, IISc, Bangalore
Prof. A. K. Mukherjee, Jadavpur Univ., Kolkata
Dr. Nalini G. Sundaram, PPISR, Bangalore
Dr. Binoy Krishna Saha, Pondicherry University
Dr. Diptikanta Swain, IISc (hands on trainer)

Organizing Committee

Prof. (Mrs.) Anisa B. Khan, VC (i/c) Patron
Prof. N. Satyanarayana Dean, SPCAS
Prof. Ramaswamy MURUGAN Convener
Prof. G. Govindaraj
Prof. K. Porsezian
Prof. G. Chandrasekaran
Dr. V.V. Ravikanth Kumar
Dr. S. Sivaprakasam
Dr. R. Sivakumar
Dr. A. Ramesh Naidu
Dr. S.V.M. Satyanarayana
Dr. Alok Sharan
Dr. Rabindra Nath Bhowmik
Dr. B. Muthukumar
Dr. Suraj Kumar Sinha
Dr. Gangineni Ramesh Babu
Dr. D. Bharathi Mohan Co-Convener
Dr. K.V.P. Lata

Mode of Conduct of the seminar

DAY 1

Morning session: Lectures on Powder XRD

Afternoon session: Hands on session on (1) ICDD database, (2) Indexing, (3) Profile refinement, (4) Rietveld refinement

DAY 2

Morning Session: Lectures on Single Crystal Diffraction

Afternoon session: Demo on data collection, Structure solution and Refinement Techniques.

Registration

The interested research scholars and faculty members are requested to send the following details: Name, Designation, Organization, Address, Email-id, Mobile number to the convener of SAXD 2016 on or before 23.01.2016 through email (hodphys15@gmail.com) or by post. There is no registration fee.

The selected participants will be intimated through email on 24.01.2016. The selected participants are advised to make self arrangements for their accommodation. Working lunch will be provided. No Travelling allowance and dearness allowance will be paid for participants.

Contact details of the Convener

Dr. Ramaswamy MURUGAN
Co-ordinator, UGC SAP DRS II
Professor & Head, Department of Physics
Pondicherry University, Puducherry - 605 014
e-mail: hodphys15@gmail.com
Mobile: +91 9486521397 Tel: +91 413 2654402

PONDICHERRY UNIVERSITY

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SEMINAR

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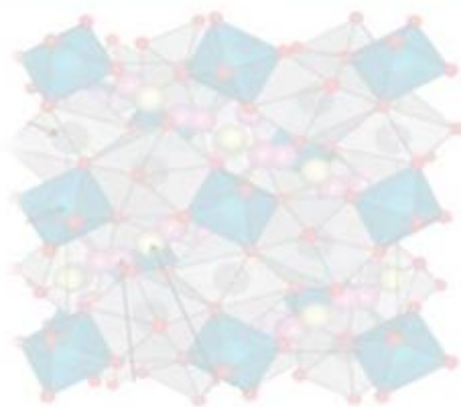
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REGISTRATION FORM

Name :
Designation :
Organisation :
Address :



Mobile/Phone :
e-mail :
Recommadation from
the Supervisor :
(For Research Scholars)



Signature

To
Dr. Ramaswamy MURUGAN
Co-ordinator, UGC SAP DRS II
Professor & Head, Department of Physcis
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