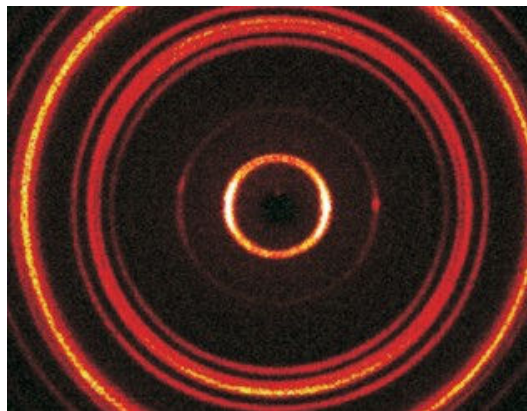


Development of new materials for various devices needs characterization of new materials by various techniques such as XRD, TG/DTA, DSC, SEM, XPS, PSL, etc., Among the various characterizations XRD finds the first place. Every researcher has to understand the concepts of XRD to employ it in his research work. X-ray is a form of electromagnetic radiation. X-rays have a wavelength in the range of 0.01 to 10 nanometers and energies in the range 120 eV to 120 keV.

X-ray was Discovered by German physicist Wilhelm Röntgen in 1895. The Nobel Prize in Physics 1901 was awarded to Röntgen in recognition of his discovery of the remarkable rays.



About the workshop

This workshop deals with XRD application such as quantitative analysis, crystal structure determination, microstrain, residual macro stresses, phase diagrams, studies of chemical reactions and identification of reaction product, determination of grain size, Rietveld Refinement etc.,

The Workshop will be conducted every month, upto March 2014. Participant's number is limited to 25 for each Workshop. The details are given below.

Workshop Period	Last date for submission of application
Jan 18-19, 2014	Dec 30, 2013
Feb 8-9, 2014	Feb 4, 2014
March 15-16, 2014	March 10, 2014

Speakers for Jan 18-19,2014 course.

Dr. S. Srinivasan (Rtd Prof. of Physics, IIT Madras),
 Dr.C. Sanjeeviraja (Rtd Prof. and Head, Department of Physics, Alagappa University) and
 Prof. A.K. Arof (Prof. of Physics, University of Malaya, Malaysia).

Speakers for Feb 08-09,2014 course.

Dr. S. Srinivasan (Rtd Prof. of Physics, IIT Madras),
 Dr.C. Sanjeeviraja (Rtd Prof. and Head, Department of Physics, Alagappa University)

Speakers for Mar 15-16, 2014 course.

Dr. S. Srinivasan (Rtd Prof. of Physics, IIT Madras),
 Dr.C. Sanjeeviraja (Rtd Prof& Head, Department of Physics, Alagappa University).
 Dr.D.Velmurugan (Prof& head, Department of crystallography and Biophysics, University of Madras).

Those who are interested can register for the workshop by paying the registration fees as detailed below.

M.Sc., M.Phil., students: Rs.1000

Ph.D., scholars: Rs.1000

Young Faculty Rs.1500

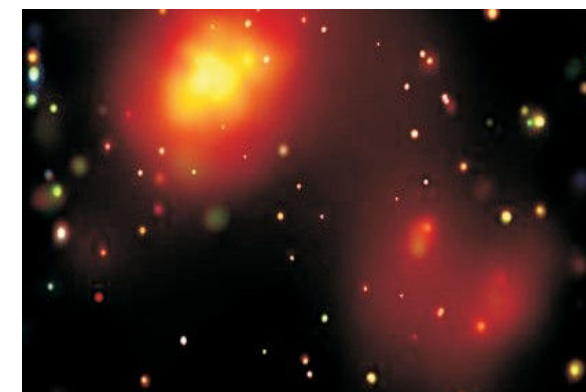


Image of a galaxy cluster by Chandra X Ray observatory

The Registration fee could be paid either, through Bank of India, Bharathiar University Branch, Coimbatore-641 046.

Account Name: Materials Research Center
Account No: 822610110005255
IFSC Code: BKID0008226

or by a DD drawn favour "Materials Research Center" payable at Coimbatore.

Limited accommodation for the Outstation participants may be provided on payment of Rs 100 per day on request.

The submission of application form for Mar 15-16, 2014 Course along with the payment of registration fees may be sent to the following address on or before 10th Mar 2014.

Dr.S.Selvasekarapandian,
Director,
Materials Research Center,
200A, Thiruvalluvar Nagar,
Ramanathapuram,
Coimbatore-641 045. INDIA.
Ph: +91-9443703089
E-mail: mrckovai@gmail.com

STAMP
HERE

To

From

Dr. S. Selvasekarapandian
Materials Research Center
200- A Thiruvalluvar Nagar,
Ramanathapuram,
Coimbatore - 641 045

WORKSHOP ON XRD AND ITS APPLICATIONS

JAN 18-19, 2014, Feb 08-09, 2014 &

March 15-16. 2014

Organized by

Materials Research Center

(Run by Subramanian Thangathai Educational Trust)

(Registered)

Coimbatore-641045

