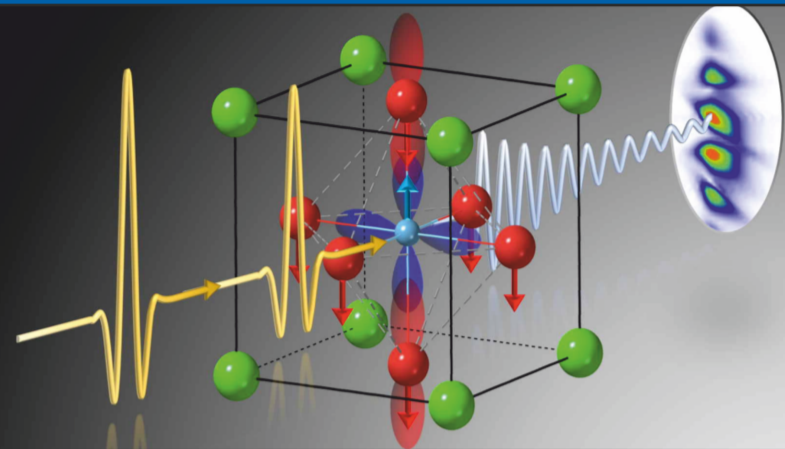
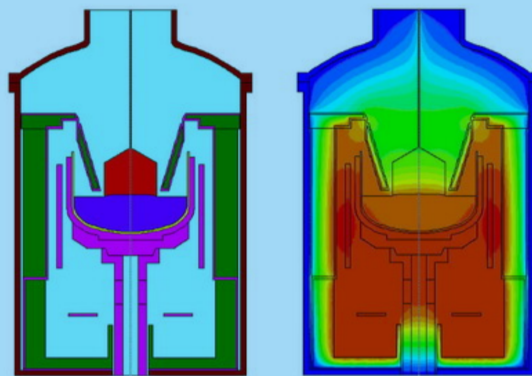
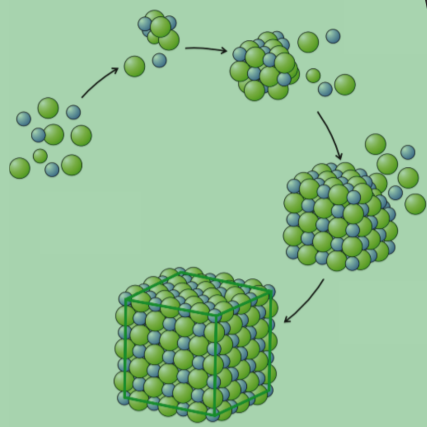


20th January 2023 to 10th February 2023



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Organized by:



Center for Radiation Environmental Science &
Technology (CREST),
Shiv Nadar University Chennai, OMR
Rajiv Gandhi Salai, Kalavakkam – 603 110

About SERB School

The objective of the school is to provide an in-depth knowledge of growth and applications of single crystalline functional materials. The school is designed to provide a systematic overview of new concepts which are emerging in the field of single crystalline materials including thin films.

Specialized Courses

- Crystallographic aspects of materials and their functionalities
- Growth of single crystalline materials in different forms including thin films
- Introduction to phase diagrams and phase transitions
- Growth kinetics, theoretical and experimental aspects
- Nucleation and growth of thin films
- Applications

Laboratory

Hands on training and realization of devices will be arranged in the following areas

- Training on growth of single crystals by solution growth, melt grown crystals by Bridgeman method, Czochralski method & Top Seeded solution growth method.
- Training on thin film preparation by PECVD, Sputtering etc.,
- Characterisation of grown materials
- Device fabrication of grown materials

Participation & Funding

Application are invited from research scholars, post-doctoral fellows, young faculty members from institutions, universities, colleges and young researches from R&D Centers with experience in relevant areas from participation in the School. A few bright and research motivated final year students of M.Sc / M.Tech can also apply. The total number of participants in the school is restricted to about forty. All the selected participants will be provided to-and-fro III Ac train (or bus) fare, free lodging & boarding.

Self-Financed Participants

Few participants from industry are permitted along with regular school attendees. Travel and lodging arrangements are to be made by the participants on their own.

National Advisory Committee

Prof. Chandrabhas Narayana
RGCB, Thiruvananthapuram

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Dr. Nilotpal Ghosh, SERB, New Delhi

Director of the School

Dr. N.P. Rajesh

Shiv Nadar University Chennai

Interested persons shall attend their applications, duly forwarded by Head of the Institution / Research Supervisor to Dr. N. P. Rajesh, School Director, by post and Email on or before **31st October 2022**. The selected candidates will be informed by the Mid of November 2022

For Further details, Contact :

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Science & Technology (CREST),
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