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CRYSTAL GROWTH CENTRE
ANNA UNIVERSITY
CHENNAI - 600 025
DST-SERB School on
Photonics Phenomena, Materials and Devices
02-21, December, 2019



Dr. D. Arivuoli FICS CChem FRSC
School Director

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<https://www.annauniv.edu/cgc/serbschool>

28-05-2019

Sir/Madam

Sub: DST-SERB school on Photonics Phenomena, Materials and Devices -Reg

With regard to the above SERC School, I am enclosing the poster for the favour of information to faculty/research scholars of your University/ College/ Department for wide circulation and participation.

Yours sincerely

(ARIVUOLI. D)

Dr. D. ARIVUOLI, FRSC
Professor
Crystal Growth Centre
Anna University
Chennai-600 025

Handwritten notes:
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(With a request to put up the poster in the notice board)



DST-SERB School

on

"Photonics Phenomena, Materials and Devices"

02 –21, December, 2019



Organized by

Crystal Growth Centre
Anna University, Chennai
<https://www.annauniv.edu/>

Sponsored by

Science and Engineering Research Board (SERB)
Department of Science & Technology, New Delhi
<http://www.serb.gov.in/home.php>

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Prof.M.K. Surappa FNAc, FNA
Vice Chancellor

Patron

Prof. L. Karunamoorthy, FIE, FIPE
Registrar i/c

About SERB School

The growth of single crystals and the theory of crystal growth continue to be an area of importance and increasing activity in materials science. As single crystals based devices are the foundation stones for electronics industry, crystal growth has become the rate-limiting step in the evolution of solid state technology. The crystal growth theory provides an ideal testing ground for the interplay of atomic and classical concepts and the experimental realities. Nonlinear optical (NLO) materials play a major role in photonics and in particular they have a great impact on information technology and industrial applications. Due to the rapid progress in materials science over the two last decades, many important results have been obtained for photonic materials and new photonic devices have been demonstrated. And yet, significant challenges continue to emerge as more advanced devices are envisaged. The school is designed to provide a systematic overview of new concepts which are emerging in the field of photonics materials and devices. In the first phase of the school, it is planned to concentrate on the phase diagrams, theoretical and experimental aspects of growth, including epitaxy. In the second phase, focus will be on characterization of materials and on photonics and fabrication of devices.

National Programme Planning Committee

Prof. Kailas C Rustagi, IIT-Bombay
Prof. Reji Philip, RRI, Bengaluru
Prof.C.S. Narayanamurthy, IISST,Trivandrum
Prof. A.K. Karnal, RRCAT, Indore
Dr. Amitava Roy, (SERB)
Programme coordinator
Dr. Nilotpal Ghosh (SERB)
Member Secretary

Crystal Growth Centre (CGC) was established by Anna University in 1982 with the interest of promoting research interests in the field of Crystal Growth and characterisation. With the active involvement and contribution of eminent and hardworking faculty and researchers, the Centre was recognized by the University Grants commission in 1990 as the CGC:UGC-AU Facility for Crystal Growth.
<https://www.annauniv.edu/CGC/index.php>

Local Organizing Committee

Prof.S.N. Kalkura, Director, CGC
Prof.D. Arivuoli
Prof.K. Baskar
Prof.J. Kumar
Prof.S. Moorthybabu
Prof.R. Jayavel
Dr.S. Shanthi
Dr.G. Sasikala
Dr. Subra Singh

Course Content

Phase diagrams
Theories of Crystal Growth
Experimental Aspects of Crystal Growth
Characterization Techniques
NLO Fundamentals
Photonics Fundamentals
Photonics Devices and Fabrication

Participation and Funding:

Applications are invited from Research Scholars, Post-doctoral Fellows and Young Faculty Members from Institutions, Universities, Colleges and Young researchers from R & D Centres. A few bright and research motivated final year students of M.Sc./M.Tech. may also be considered. The total number of participants in the school is restricted to about Forty. All the selected participants will be provided travel by train (First class/ III AC), free lodging and boarding.

How to Apply

The application can be sent to the e-mail: serbaucgc@gmail.com in the following format.

Self-financed Participants:

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

Probable List of Speakers

Prof H. L. Bhatt, IISc, Bengaluru
Dr.S. Muralidharan, IISc, Bengaluru
Dr.S. Ganesamoorthy, IGCAR, Kalpakkam
Dr. Tapas Ganguli, RRCAT, Indore
Dr. Indranil Bhaumik, RRCAT, Indore
Prof Somnath Bhattacharya, IIT, Madras
Prof D.N. Rao, Univ. of Hyderabad
Prof.G. Ravindrakumar, TIFR, Mumbai
Dr. Ashok Kaul, IRDE, Dehradun
Dr. Rajesh V. Nair, IISER, Ropar
Prof P.K. Das, IISc, Bengaluru
Dr. Tarun Kumar Sharma, RRCAT, Indore
Prof. B.K. Das, IIT Madras
Prof. R. Dhanasekaran,(Rtd), Anna University
Prof.D. Arivuoli, Anna University
Prof.K. Baskar, Anna University
Prof.S. Moorthy babu, Anna University

- 1 Full Name
- 2 Male/ Female
- 3 Date of Birth/ Age
- 4 Educational Qualification
- 5 Designation
- 6 Employment Details
- 7 Email
- 8 Mobile
- 9 Address
- 10 Organisation/ Institution
- 11 Area of Research
- 12 Publications
- 13 Name of the Supervisor/ HOD
(Recommendation letter from the supervisor/ HOD should be enclosed)
- 14 Please write briefly about In what way this school will be beneficial
- 15 (For faculty members the application should be forwarded by the Head of the institute /college)
- 16 signature of the applicant
- 17 Signature of the supervisor/HOD/Head of Institute

For Further Details Contact:

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Chennai -600 025
Tamilnadu
Phone: 9841296097 / 044-22358325;
Email: serbaucgc@gmail.com;
Website:
<https://www.annauniv.edu/cgc/serb/school>

Deadlines

Last date for application : 27 July 2019
Intimation to selected participants : 10 August 2019