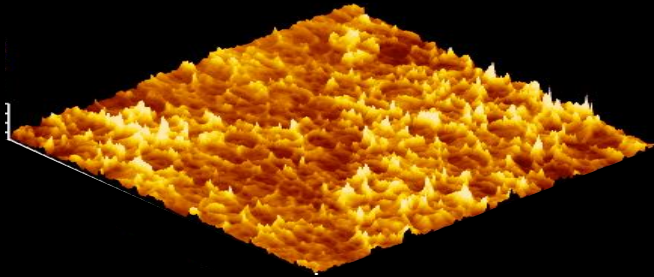


International Webinar on

Advances in Electronic, Optoelectronic, Photonic Materials and Devices



17th - 19th March, 2021

Organized by
Department of Physics
IEST, Shibpur

Program Objective

- ❖ Recent Advancement in Electronic Materials And Devices
- ❖ Emerging Photonic Material Based Devices : Concepts on Basic Physics and Applications
- ❖ Importance of Fiber and Waveguide Optics For High Speed Data Communication
- ❖ Different Experimental and Theoretical Techniques

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSdXrxyv7boSpS-VmwVJMyYLho_MWtZsqSYNL1O3Ht0MzPYPsw/viewform?usp=sf_link



Programme Details:

<https://www.iests.ac.in/IEST/AcaNoticeDetails/?id=121>

Registration open till **16th March, 2021**

Theme

Modern era is dominated by gadgets made of electronic devices. A mobile phone or a tablet computer has become a nearly essential commodity for everyone including the school kids in the backdrop of the pandemic situation throughout the globe. A smart phone nowadays contains nearly hundred sensors embedded at the chip level. The sensors and allied circuits are controlled by highly sophisticated data processing circuits and computation techniques. Near-future advancements in high-performance computing system would lead us towards intra-chip optical communication systems for high speed communication. Not only that, large modulation bandwidth is required to control the continuously increasing data-traffic in communication system. The main benefits of high bandwidth optical communication include exceptionally low loss, great transmission range and no electromagnetic interference. Considering all these factors the recent research attention has been centred around the electronic, optoelectronic and photonic regime.

Intended Audiences

- Researchers, Scientists and Technologists
- Students at Post-Graduate Level of Science and Engineering

Speakers:

1. Prof. K Thyagarajan, Bennett University, Uttar Pradesh (Former HOD and professor, IITD)
2. Prof. Lorenzo Pavesi, University of Trento, Italy
3. Prof. G.P. Agrawal, Institute of Optics, Rochester University, USA
4. Prof. Samit Kr. Ray, Director, S.N Bose National Centre for Basic Science, Kolkata, India
5. Prof. Christophe Finot, Université de Bourgogne, France
6. Prof. Sambandamurthy Ganapathy, Professor, SUNY@ Buffalo, USA
7. Prof. Chia-Jyi Liu, Changhua University of Education, Taiwan
8. Prof. Deshdeep Sahdev, IIT, Kanpur, India
9. Prof. Samir Mandal, CSIR- CSIO, Chandigarh, India
10. Dr. Bhavtosh Bansal, IISER Kolkata, India

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About IEST, Shibpur

Indian Institute of Engineering Science and Technology (IEST), Shibpur was set up as the first IEST of the country by the Government of India in 2014 by converting the erstwhile Bengal Engineering and Science University, Shibpur. The institute, established in 1856 as Bengal Engineering College, has been a premier institute of higher learning in the field of Engineering and Technology. During almost 165 years of glorious existence the institute has produced brilliant engineers, technologists and scientists who have left indelible mark in India and abroad.

