WORKSHOP ON PHOTONIC SENSORS FOR BIOSENSING APPLICATIONS

17th Oct to 19th Oct 2024

Organized by - Indian Institute of Technology (ISM),Dhanbad-826004, Jharkhand, India
Sponsored by-Science and Engineering Research Board (SERB), DST, Govt.of India

Science and Engineering Research Board
Dept. of Science and Technology, Govt. of India

Chief Guests

Prof. Sukumar Mishra
Director, IIT(ISM)
Dhanbad

Chairman

Prof. Ravi Kumar Gangwar
HOD, Dept. of Electronics Engg.
IIT (ISM) Dhanbad

Speakers

Dr. Srinivas Talabattula
Professor ,Department of Electronics Communication Engineering
Indian Institute of Science, Bangalore

Dr. Umesh Kumar Tiwari
Principal Scientist & CSIR-YSA
Associate Professor, AcSIR-CSIO
Photonics Group CSIR-CSIO,Chandigarh

Dr. Om Prakash
Head, Fiber Grating Lab,
FSOSS, RRCAT, Indore

Prof. Sanjeev Kumar Raghuwanshi
Associate Professor, Department of Electronics Engineering
IIT (ISM),Dhanbad

Dr. Santosh Kumar
Department of Electronics and Communication Engineering
K.L University, India

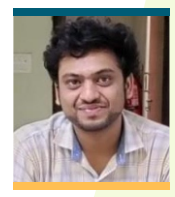
Dr. Mandeep Singh
Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology Karnataka (NITK)
Surathkal, India

Dr. Sumit Jindal
Professor
School of Electronics Engineering
Vellore Institute of Technology
Vellore,Tamil Nadu. India

Dr. Ritesh Kumar
Asst. Proffesor, Department of Electronics Engg., Shri Phanishwar Nath Renu Engineering College

Dr. Palas Biswas
Senior Principal Scientist, Fiber Optics and Photonics Division, CSIR-Central Glass & Ceramic Research Institute

Dr. Gaurav Varshney
Assistant Professor, National Institute of Technology, Patna



Dr. Vinod Belwanshi
Senior Principle Scientist, CSIR- National Metallurgical Laboratory
Jamshedpur, India

Dr. Shweta Pant
Senior Principal Scientist
Fiber Optics and Photonics Division
CSIR-Central Glass & Ceramic Research Institute, Kolkata, India

About Workshop

The purpose of the "Workshop on Photonic Sensors for Biosensing Applications" is to offer a complete forum for the exchange of information, collaboration, and innovation in the rapidly developing field of photonic sensors and the applications of these sensors in biosensing. This workshop will provide participants a fundamental understanding of photonic sensors by focusing on their fundamentals, technologies, and mechanisms. Additionally, the workshop will emphasise the significance of photonic sensors in a variety of biosensing applications, including medical diagnostics, environmental monitoring, food safety, and biotechnology.

The workshop duration will be for three days, and the dynamic and pragmatic faculties will deliver the lecture from various IITs/IISc/laboratories coming from distinguished disciplines. This program aims to educate, enrich, and equip promising postgraduate and young researchers with hands-on experience to carry out high-end scientific research in the area of Photonics Sensors. The Government of India will primarily support the workshop SERB through Accelerate Vigyan Scheme (AVS) and facilitated by the Indian Institute of Technology (ISM), Dhanbad. The participant's performance will be judged through quizzes and attendance in the workshop session, and completion certificates will be issued. The participants have to pay a nominal amount of Rs 100 to attend this workshop and they can register themselves on the given link:

https://docs.google.com/forms/d/e/1FAIpQLSfN39uq487-lsIr64n6nkUKYEch_88z23Je135pZTDlHGTG2A/viewform

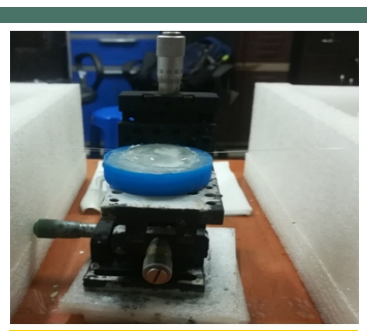
The students will be selected based on their academic performance. In the selection process, the focus will be given to the enthusiastic, motivated, and underprivileged students and young researchers coming from the backward society of India. Women's participation will be encouraged. We have limited seats!!! So hurry up and quickly register on the given link. The deadline for the registration is 16th Oct. 2024 till 5 PM. Please send your query to the following email id: **sanjeevrus77@iitism.ac.in** related to the workshop. The detailed workshop schedule will be shared through the mail with the shortlisted students for the program.

Mode of Workshop Hybrid Mode (Three days)

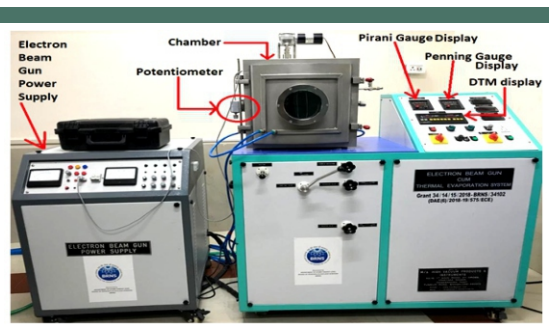
The workshop duration will be for three days.

https://eps.eshiksa.net/DirectFeesv3/IIT_Dhanbad/index

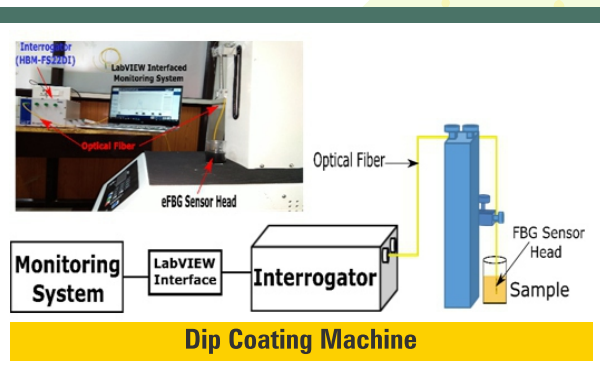
The Registraton Fees Has To Be Paid On The Following Link Or Scanner (Right Hand Side)



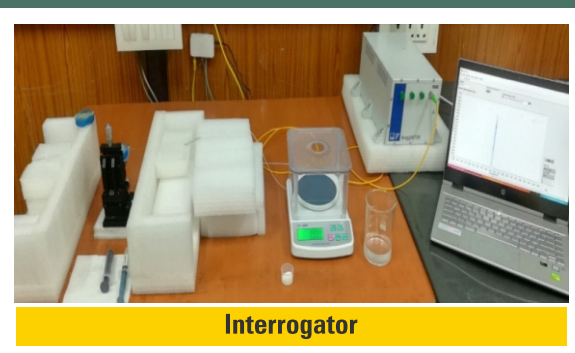
Etching Apparatus (Set up in lab)



High Vacuum EBM Gun cum Thermal Evaporation System



Dip Coating Machine



Interrogator

Coordinator
Prof. Sanjeev Kumar Raghuwanshi **(Associate Professor)**
Department of Electronics Engineering, IIT (ISM),Dhanbad

Co- coordinator
Dr. Purnendu Shekhar Pandey
G.L. Bajaj Institute of Technology and Management, G. Noida , U.P.