After successful payment, please share the screen shot to ***WhatsApp No. +91 – 9861263373 (Subrat Kumar Sahu)***

Registration Link for Participation

Online Registration on or before 20th March 2024
link: ***https://forms.gle/WiU6c3dPVYNY8j889***
Spot Registration is available.

Guidelines for Poster Submission

Deadline for uploading the Abstract is 20th March, 2024 *(in Google Form or Registration Form)*.
Size of the Poster : 4' x 3' (length x breadth)
Abstract shall be in A4 size (single page) in PDF format only.
The poster will include Title, Authors, Affiliation, Correspondences, Abstract (200 words), Figures/TOC, and References (max. 3 numbers).

The best posters will be awarded prizes.

Contact Address:
Dr. Atla Shashi Bairagi
Department of Basic Sciences & Humanities
Silicon University, Bhubaneswar - 24
Mobile: +91 – 8018097884
email: *atla.bairagi@silicon.ac.in,*
2024fmet@gmail.com

Patrons

Prof. Jaideep Talukdar
Vice-Chancellor, Silicon University
Prof. Saroj Kanta Misra
Advisor, Silicon University
Prof. Chitaranjan Tripathy
Advisor, Silicon University
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HoD (Dept. of BSH), Silicon University

Organizing Chair

Dr. Atla Shashi Bairagi
Dept. of BSH, Silicon University

Program Coordinators

Dr. Siba Sankar Nayak, *Silicon University*
Dr. Manas Ranjan Singh, *Silicon University*
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&
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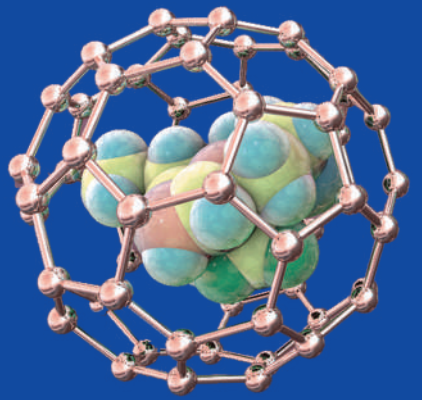
Silicon University

6th National Seminar
on

Functional Materials for Emerging Technology

(FMET-2024)

29th & 30th March, 2024



Organized by:

The Department of
Basic Sciences & Humanities
Silicon University, Bhubaneswar

About the Institution

Silicon Institute of Technology, Bhubaneswar has been upgraded to Silicon University, Odisha by a notification of Government of Odisha on 31st of January 2024. It is one of the premier institutes with NAAC grade 'A' accreditation; three UG programs of CSE, EEE and ECE are NBA accredited. The Institute was ranked 3 years in a row among the top 200 Engineering colleges in India by NIRF.

It was established under a duly registered Trust with an objective to provide quality technical education with humanistic aspects. Silicon aims to move beyond teaching and learning in a lush green campus with state-of-art laboratories, libraries, highly qualified staff and a constant endeavor to achieve the best. It aims to inculcate leadership and teamsmanship qualities among the students.

Silicon is constantly innovating and improving to adapt to the needs of students by accepting innovation and embracing modern technology and techniques. The untiring efforts of highly dedicated team have been a cornerstone of its success and growth.

About the Department

The Department of Basic Sciences and Humanities was established in the year 2001 to provide a sound knowledge of Basic Sciences with a high level of technical exposure provided by the core departments. The department is equipped with state-of-the- art labs, highly qualified staff, and modern facilities.

Objective of the Seminar

Engineered Functional Materials (FMs) are driving innovation in emerging technologies. It plays a vital role due to its unique physical and chemical properties namely organic, electronics, energy, and environmental remediation.

FMs such as conducting polymers are utilized in flexible electronics and batteries. Smart materials namely shape memory alloys are used in medical devices and aerospace applications. Pervoskite solar cells are alternative to the traditional silicon solar cells due to their high efficiency and low cost fabrication. Modified quantum dots find application in quantum computing image display and bio-medical imaging. Carbon based nanomaterials exhibit unique mechanical, thermal, and electronic properties and hence find many industrial applications. FMs can convert one form of energy to another and thereby achieve intelligent actions such as sensors or actuators, which are recognized as a vital area for the growth of the nation's economy.

The main objective of the seminar is to provide a forum to create awareness of the recent advances of FMs and their application in different sectors which will enrich the understanding and active interactions among scientists, technologists, & engineers. Besides, this will provide a common platform for students, academicians, and researchers to share their innovative ideas. We hope this seminar will be beneficial to all the participants. Benefit to students, faculty and the society.

The seminar aims to bring eminent speakers from reputed Research & Development organizations, academic institutions, and industries to facilitate interactions and discussions on the recent trends in materials processing, characterization, and its applications. This seminar will encourage young researchers and students to inculcate new methodologies of materials development & their applications in different areas. The teaching and research skills of the faculties will also be enhanced.

Benefit to students, faculty and the society

The seminar aims to bring eminent speakers from reputed Research & Development organizations, academic institutions, and industries to facilitate interactions and discussions on the recent trends in materials processing, characterization, and its applications. This seminar will encourage researchers and students to inculcate new methodologies of materials development & their applications in different areas. The teaching and research skills of the faculties will also be enhanced.

Resource Persons

The Resource Persons will be from Leading Academic Institutions.

1. **Dr. Kulamani Parida**,
   SOA University, Bhubaneswar
2. **Dr. Pranati Nayak**,
   ICT, Bhubaneswar
3. **Dr. Satyaprakash Sahoo**,
   IOP, Bhubaneswar
4. **Dr. Bikash Jena**,
   CSIR-IMMT, Bhubaneswar
5. **Dr. Satyaprasad P Senanayak**,
   NISER Bhubaneswar

Eligibility & Registration Fee

The seminar is open to faculties, research scholars and students of Basic Sciences, Materials Sciences and Engineering Sciences.

Faculty	:	Rs. 500/-
Student/Research Scholar	:	Rs. 200/-

UPI payment for registration through ***GPay/PhonePe: +91 – 9861263373 (Subrat Kumar Sahu)***