



EVENT SNAPSHOTS



Picture Credit: CLIX

SiCSem to collaborate with IIT Bhubaneswar for building the Compound Semiconductor ecosystem in India

SiCSem Private Limited and IIT Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors. The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would indigenize the know-how of high volume production of 150 mm and 200 mm SiC wafers. SiCSem Private Limited plans to establish a SiC process fabrication and Assembly, Testing, Marking and Packaging (ATMP) plant in Odisha. This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

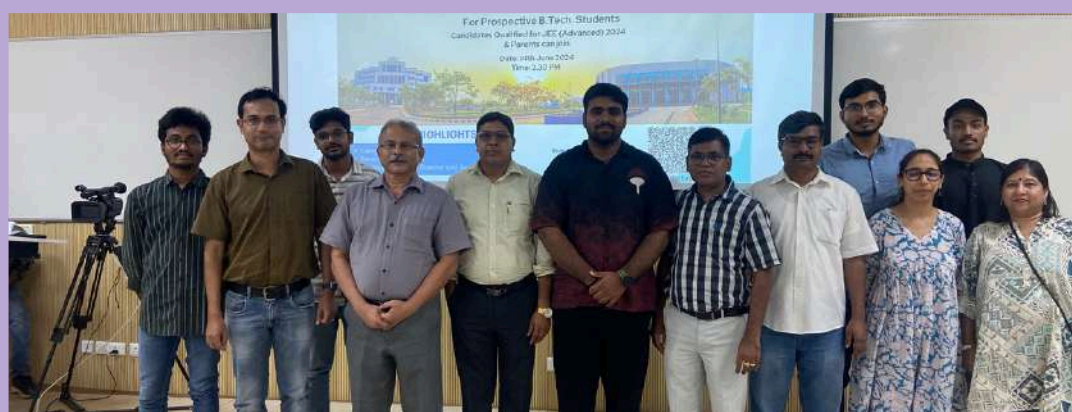


Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industry-academia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives. Project shall be supervised by Prof. Karmalkar, School of Electrical Sciences & Prof. P. V. Satyam, School of Basic Sciences along with Sri Guru Thalapaneni from SiCSem.

Open House for Prospective Students



An Open House for the prospective B.Tech. students was organized on 14th June 2024. The candidates who have qualified the JEE (Advanced)-2024 and their parents attended this open house in online mode and explore what IIT Bhubaneswar has to offer. This session provided them with the insights into the academic programs, campus life, research opportunities, and other aspects of the institutions. Prof. Shreepad Karmalkar, Director along with Prof. Chandrashekhar N. Bhende, Dean - PG & Research Programs, Dr. Kaushik Samanta, Chairperson JEE, and other faculty, staff and senior students of the institute, addressed the queries of the students and parents.



Webinar on Breaking the Cycle: Comprehensive Insights into Menstrual Health

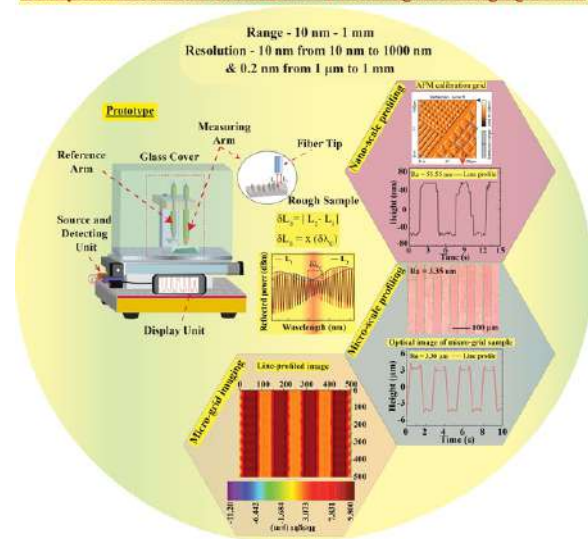


The Research and Entrepreneurship Park (REP) team of IIT Bhubaneswar organized a webinar on creating awareness regarding female health and hygiene, titled 'Breaking the Cycle: Comprehensive Insights into Menstrual Health' on 15th June 2024. Dr. Seema Bahinipati, Independent Director, REP delivered the welcome address and Ms. Purabee Purnasha Mishra, COO, REP introduced the topic. Dr. Raghunath Mishra, Senior O&G Specialist; Ms. Swati Mahapatra, Chief Dietician, Manipal Hospital, Bhubaneswar; Ms. Shipra Saxena, WASH Specialist & Expert, UNICEF; Mr. Srustijeet Mishra, Founder, Action Lab 2050; Mr. P.P. Panda, Education Specialist, IOCL and Dr. Pratibha Singh, WASH-CCES Specialist UNICEF India spoke on the occasion. Topics like Understanding the Menstrual Cycle and Debunking Myths; Nutrition and Diet for Menstrual Health; UNICEF's Initiatives on Menstrual Hygiene Management; Action Lab 2050: Objectives and Initiatives; Importance of Menstrual Hygiene Education and National Policy on Menstrual Policy were covered during the webinar. Mr. Hiranmay Mahanta, Independent Director, REP and CEO, i-HUB, Gujarat delivered the closing remarks and vote of thanks.

Unveiling New Research

A New Research Accomplishment titled 'Ultra-wide range non-contact surface profilometry based on reconfigurable fiber interferometry' by the research scholar Arvind Kumar Maurya and Kalipada Chatterjee, under the supervision of Prof. Rajan Jha, School of Basic Sciences gets published in Optics Letters Journal. In this work, the researchers have demonstrated a cascaded non-contact fiber interferometer-based approach for real-time high-precision surface profiling with ultrawide detection range (10 nm to 1 mm).

Cavity Interferometer-based Surface Profiling and Imaging Device



STORY OF ACHIEVEMENT

Our Faculty gets elected to the European Academy of Sciences and Arts



Professor Puspendu Bhunia, School of Infrastructure, has been elected as a member of the European Academy of Sciences and Arts (EASA) by their senate on 5th June 2024 in the "Technical and Environmental Sciences" category. With this, EASA now has only five (5) members from India, ranking second among IITs behind IIT Kharagpur. Members are chosen for their significant contributions to science, arts, and governance. The Academy promotes cross-disciplinary collaboration among 2,000 distinguished scientists, artists, and governance professionals from across Europe, including 28 Nobel Prize winners. They are divided into seven categories: Humanities, Medicine, Arts, Natural Sciences, Social Sciences, Law and Economics, Technical and Environmental Sciences, and World Religion.



Raja Celebration by Feminine Fusion



Life
is like riding a



to keep your balance
you must keep moving

Albert Einstein

*Happy
Reading!!!*