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Send the abstract in IESSE 2024 template to - iesse24@bitmesra.ac.in. After Acceptance of the abstract make payment for registration (details given on the website) Send the scanned copy of payment detail to iesse24@bitmesra.ac.in

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Important Deadlines

Deadline for abstract submission: September 15, 2024

Acceptance of Abstract: September 30, 2024

Full Paper Submission: October 15, 2024

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2nd Indo-European Symposium on Surface Engineering (IESSE-2024)

11th - 12th December, 2024

Organized
By
Department of Physics
Birla Institute of Technology, Mesra Ranchi,
Jharkhand
INDIA

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About the Conference

One of the most suitable ways to optimize the performance of materials, particularly making them more useful, with a higher number of functionalities, more durability in harsh environments (high-temperature, high-pressure, corrosive, etc.) and/or more cost-effective is through the modification of their surface. Surface engineering, which is a sub-discipline of materials science, has enormous applications in multidisciplinary areas like automotive, aerospace, defence, power, electronic, biomedical, textile, petroleum, petrochemical, chemical, steel, cement, machine tools, construction industries etc.

In the 2nd Indo-European Symposium on Surface Engineering, the current scientific and technological progress in traditional and cutting-edge coating and thin film processes, as well as surface modification treatments or techniques, will be addressed; there will be a fruitful discussion, exchange of ideas, and research collaboration among the participants.

The 2nd Indo-European Symposium on Surface Engineering will focus on the recent developments in the area of surface engineering, surface treatment processing of innovation, functional coatings, advanced methods for the deposition of new materials, surface treatments, coatings for various industrial and strategic applications, advanced characterization techniques, and development of multilayer systems and devices.

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BIT, Mesra is a "Deemed University" under Sec. 3 of the U.G.C. Act 1956. The Institute has a vision to be recognized as a world-class learning institution for Engineering, Technology and Research. Established in 1955 by visionary philanthropist-industrialist the late Mr. B.M. Birla, it is one of the premier engineering destinations in India. The Institute offers undergraduate, postgraduate and doctoral programmes in Engineering, Technology, Sciences, Pharmacy, and Management. An unquenchable thirst for innovation and disruption, and a commitment to nurturing leaders who make a difference to the world has been the credo of BIT Mesra in the nearly seven decades of its existence. It has many firsts to its credit. It was the first in the country to establish a department dedicated to Space Engineering & Rocketry way back in 1964. First, to establish a static rocket test firing facility. It was also the first to develop a Science & Technology Entrepreneurs' Park (BIT-STEP). The first institution to be granted autonomous status in 1972 under the UGC Act.

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Since its inception in 1955, the Department of Physics has played a pivotal role in the Institute. A gamut of very motivated, well qualified and talented faculty is actively engaged in teaching as well as research in areas of theoretical and experimental Physics and technology. The Department offers PhD in the domain of Physics, Materials Science and Technology, MSc & IMSc in Physics, and B.E. Physics courses. The Department is well-equipped with state-of-the-art equipment and computing facilities.

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Original, unpublished research contributions are invited from academia/industry and R&D establishments, Research Students and Consultants on the topics mentioned below. Please note that the papers presented in the symposium will be considered for publication.

- S.1. Functional coatings
- S.2. Coatings and Thin Films for industrial applications
- S.3. Coatings and Thin Film for strategic applications
- S.4. Coatings for power sectors
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- S.6. In-situ and in-operando characterization techniques

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