



In
Association with



Call for Applications under the Focus Areas of Science & Technology Summer fellowship - 2019 Science of Materials 6 May – 14 June 2019

The subject, “Science of Materials” deals with preparation, structure and properties of materials. It grew out of an amalgam of the subjects like chemistry, physics and metallurgy, and the rich variety of materials’ properties cannot be understood within the context of any single classical discipline. With a basic understanding of the origins of properties, materials can be selected or designed for an enormous variety of applications in, ranging from electronics, aerospace, communications, information processing, nuclear power, energy conversion, transportation as well as medicine.

UM-DAE Centre for Excellence in Basic Sciences (CEBS) is located on the Kalina Campus of the University of Mumbai, which has cultivated rich culture in Science and technology, because of establishment of excellent research and educational institutes like Bhabha Atomic Research Centre (BARC), Tata Institute of Fundamental Research (TIFR), Indian Institute of Technology Bombay (IITB) and University of Mumbai. UM-DAE CEBS is dedicated to Education and Research on Materials, Energy and Health under the closed collaboration with the premier institutes of this country.

A Summer School of six weeks duration on ‘Science of Materials’ will be conducted at UM-DAE CEBS, Mumbai, during 6 May – 14 June 2019 and will cover different aspects of materials science. The focus will be on design and synthesis of materials as well as their applications in advanced technologies. Internationally reputed distinguished scientists in the field of physics, chemistry, metallurgy as well as biology, will deliver talks. Curriculum will include about 35 lectures on fundamentals of Materials Science, 25 invited lectures and 25 Perspective lectures as well as Practical Classes / Demonstration experiments.

Students (final UG and first / second year PG course) and Teachers from Science and Engineering background with an interest and appreciation for Science of Materials are encouraged to apply. Accommodation cost will be subsidized and a stipend of Rs. 12,500/- (students)/ Rs 18,750/- (teachers) will be paid along with a certificate of appreciation after successful completion of the internship.

The duly filled application must be submitted before February 25, 2019 to
The Coordinator,
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