



ABOUT INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment (in 1847), the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering. Indian Institute of Technology - Roorkee, formerly University of Roorkee and Thomson College of Civil Engineering, is a public engineering university located in Roorkee, Uttarakhand, India. Established in 1847 in British India by the lieutenant governor, Sir James Thomason, it was given university status in 1949 and was converted into an Indian Institute of Technology (IIT) in 2001, thus becoming the seventh IIT to be declared. IIT Roorkee has 21 academic departments covering Engineering, Applied Sciences, Humanities & Social Science and Management Programs with a strong emphasis on science and technology education and research.

ABOUT PHYSICS DEPARTMENT

The Department of Physics from its inception in 1960 has grown into an active centre of quality teaching and research. Today it stands as one of the leading departments in the country, well known for its excellence in teaching and research. The Department runs five year integrated M.Sc. (Physics), two year M.Sc. (Physics), M. Tech. (Solid State Electronic Materials), M.Tech. (Photonics) and 4 year B.Tech. in engineering Physics. Apart from catering the teaching of core Physics courses to undergraduate engineering students, the faculties of the Department are actively engaged in different areas of research viz. Atmospheric and Space Physics, Atomic and Molecular Physics, Condensed Matter Physics, Nuclear Physics, Optics and Theoretical High Energy Physics. The research activity in the department is well recognized by CSIR, AICTE, DST, DAE, ISRO, DRDO and many more agencies, and a number of research projects funded by national and international agencies are in progress in the department.

ABOUT IMESD-2018

IMESD-2018 is a debut event in this international meeting series, which is expected to be a milestone event in our country for communities working in the field of energy storage devices as we are expecting about 500 participants from India and abroad. Submitted papers are expected to be published in peer reviewed international journal. The aim of this meeting is to bring together eminent national & international scientists, academicians, research scholars, students from universities, research institutes, engineers and technocrats from industries on a single platform to share their knowledge, expertise, research and experience in the emerging area of energy storage devices. Further, the meeting is expected to provide opportunities for the researchers to find international collaborators for future teamwork.

THEME

- Solid State Ionics / Nanoionics
- Rechargeable secondary batteries particularly, Li-ion, Na-ion batteries
- Supercapacitor / Flexible Supercapacitor / Hybrid supercapacitor
- Nanostructured energy storage materials: Synthesis, characterization and applications
- Electrode/Electrolyte interface and associated phenomenon
- Fast ionic conductors: liquids, polymer, gel and solid electrolytes
- Modeling and simulation of Energy Storage Devices

- Energy storage devices for defence and other strategic applications
- Thermal management of battery packs for HEVs and EVs
- Industrial production and development of storage devices for HEVs, PHEVs, and EVs
- Next generation high-performance electrochemical energy storage systems
- Recycling of Li-based batteries, safety, reliability and their applications
- Household and large-scale energy storage systems
- Safety, reliability, cell design Engineering
- Fuel cell & technologies
- Hydrogen Storage Devices

STEERING COMMITTEE

Prof. A. K. Chaturvedi (Director, IIT Roorkee)	Patron
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Prof. G. D. Varma	Co-Chair
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Prof. Monojit Bag	Treasurer
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 Prof. D. Venkataraman, Umass, Amherst, USA

NEARBY PLACES OF TOURIST INTEREST

Mussoorie (105 KM from Roorkee), Rishikesh (50 KM from Roorkee)
 Rajaji National Park Dehradun (60 KM from Roorkee)
 Har ki Pauri (Haridwar) (35 KM from Roorkee)
 Taj Mahal (Agra) (370 KM from Roorkee)

WEATHER OF ROORKEE

Temperature in Roorkee in the month of December is expected to be around 8°C (low) and 24°C (high).

MEETINGS PUBLICATIONS & AWARDS

Submitted papers will be published online in the Conference proceeding of **AIP** and **Springer**. Also, awards would be given for best poster/oral presentations.

VISA INFORMATION

If you require Indian Visa, we recommend starting the application process two to three months in advance of the meeting. Visit <https://indianvisaonline.gov.in> for further information. Request a Letter of Invitation for attending IMESD'18 well on time before applying Visa. Upon receipt of your letter of invitation, you must take it to your nearest consulate or embassy to start the Visa process. The IMESD Letter of Invitation does not guarantee issuance of the Visa

IMPORTANT DATES

Conference Dates: December 10-12, 2018
Last Date for Abstract Submission: September 30, 2018
Notification for Acceptance of Abstracts: October 15, 2018
Full Paper Submission Start Date: November 15, 2018
Last Date for Full Paper Submission: December 31, 2018

REGISTRATION FEE

	Early Bird (Till October 25 th , 2018)	Upto November 15 th , 2018	On the spot
Indian Participants			
Industry:	INR 8000	INR 10,000	INR 12000
Academic/Research	INR 4000	INR 5000	INR 6000
Students:	INR 3000	INR 3500	INR 4000
Accompanying Person:	INR 2500	INR 3000	INR 3500
Overseas Participants			
Delegates:	USD 350	USD 400	USD 450
Students:	USD 200	USD 250	USD 300
Accompanying Person:	USD 200	USD 250	USD 300

ACCOMMODATION

Accommodation will be provided on first come first basis in the guest houses, hostels within the campus and Hotel Ambrosia Sarovar Portico, on payment basis. Please visit www.imesd18.in for details.

ADDRESS FOR CORRESPONDENCE

Prof. Yogesh K. Sharma
 Convener, IMESD-2018
 IIT-Roorkee, Haridwar, Uttarakhand, India-247667
 Tel no.: +91-1332-284861
 E-mail: imesd2018@iitr.ac.in / imesd2018@gmail.com
 Website: www.imesd18.in