

**Fire and Combustion Research Center
Jain Global Campus
Kanakapura Road**

Research Engineer: 2 Nos. Proposed Salary: Up to 40,000 per month.

Qualification: Engineering Master's degree in Mechanical – Fluid Mechanics and Civil – with few years of experience in the related field.

Job description: Broad research areas of research at Fire and Combustion Research Center (FCRC) are theoretical modeling, simulations and experimental investigations of combustion, fire and smoke transport phenomena. Research engineers will be involved in analysing processes and conducting experiments. They must keep abreast of current publications relative to methods, techniques and development within the area of research. They are required to be familiar with engineering concepts and drawings. They gather information: data, samples for the tests, experiments and research.

Junior Research Fellow: 2 Nos: Proposed salary: Rs 25,000 per month.

Senior Research Fellow: 2 Nos: Proposed salary: Rs 28,000 per month.

Qualification: JRF – GATE qualified Master's degree in Mechanical/Civil/Building science and technology, **SRF** – GATE qualified Master's Degree in Mechanical/Civil/Thermal Stream with Fluid Mechanics with 2 years experience.

Tenure: 2 years, Candidate will have to register for Ph.D. by the end of first year. Eligible candidates will get financial support to pursue their Ph.D.

Job description: The following is the list of projects under active consideration of FCRC. 1. Modelling fuel mass flux variation across the surface of pool fires. 2. Studies in re-burn phenomenon and flame extinguishment in pool fires. 3. Modelling DCP based fire extinguishment. 4. Modelling smoke and fire transport in built environment. 5. Synthesis and combustion of coated nano-boron; Job of JRF/SRFs will involve carrying out research, implementation and documentation related to them.

Interested candidates can contact: bhaskar.dixit@jainuniversity.ac.in; website: <http://www.jainuniversity.ac.in/FCRC/>; Phone: +91-80-2757 7150/160/170; 080-2757 7204 (Direct).

**International Conference on
Current Trends in Materials Science and Engineering 2018 (CTMSE 2018)**

**BOSE-125: 125th Birth Anniversary of Prof. Satyendra Nath Bose
19–20 January 2018, S. N. Bose National Centre for Basic Sciences, Kolkata 700 106**

The conference will be jointly organized by Institute of Engineering and Management, Kolkata and S. N. Bose National Centre for Basic Sciences, Kolkata.

Major themes: Computational materials, Emerging materials and applications, Nanomaterials, Graphene and other 2D materials, Carbon nanostructures and devices, Semiconductor devices, Magnetic nanostructures, Spintronics, Environmental and green materials, Nanobiotechnology, etc.

Registration	Early Bird (Before 15 December)	Regular (Before 15 January)
Faculty/Post Doc/Scientist	Rs 3000	Rs 4000
Ph.D. Scholar	Rs 2000	Rs 3000
Undegraduate/Postgraduate students	Rs 1000	Rs 2000
Corporate attendee	Rs 12000	Rs 15000
Accompanying person	Rs 1500	Rs 1500
Foreign delegates	US\$ 70	US\$ 100

Organizing Committee: Saswati Barman, IEM, Kolkata; Kakoli Dutta, IEM, Kolkata; Tina De, IEM, Kolkata; Anjan Barman, SNBNCBS; Rajib Mitra, SNBNCBS; Jaibardhan Sinha, SNBNCBS.

Last date for abstract submission: **5 December 2017.**

Address for correspondence: Prof. Saswati Barman (Convener) and Prof. Arun Kumar Bar (Chairman), Management House, D-1, Salt Lake Electronics Complex, Kolkata 700 091, West Bengal, India, e-mail: ctmse2018@iemcal.com, Phone: +91-33645 82936, Cell: +91-94335 8680, +91-983078 0888.

More details can be found in the conference website: <http://www.iem-ctmse.org>