



27th National Symposium on Cryogenics and Superconductivity, 2019

IIT Bombay, Mumbai

January 16 to 18th 2019, Victor Menezes Convention Centre, IIT Bombay



First Announcement

Conference Date

16-18 January 2019

Important Dates

Abstract Submission

Opens: 1st April 2018

Closes: 30th August 2018

Notification of Acceptance:

15th September 2018

The Short Courses on following topics are being planned on 15th January 2019

1. Helium Liquefiers
2. Super Conducting Magnets/ Materials
3. Cryocoolers

Prof. M. D. Atrey

Chair : NSCS-27

Institute Chair Professor, Department of Mechanical Engineering, IIT Bombay

Chairman, ICC, WZ.

Prof. H. J. Bahirat

Co-Chair : NSCS-27

Assistant Professor, Department of Electrical Engineering, IIT Bombay

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Cryogenics and Superconductivity play pivotal roles in modern scientific applications starting from modern accelerators to medical diagnostics. A “National Symposium on Cryogenics and Superconductivity (NSCS-27)” is being organized by Indian Cryogenic Council and IIT Bombay and will be held at IIT Bombay during January 16-18, 2019. This Symposium provides opportunity for the professionals in the field of Cryogenics and Superconductivity to discuss latest trends and activities. A day of short courses is being planned as preconference activity in this edition. The Participants from all over the country are expected to present their latest research work in the form of invited talks, contributed lectures and poster presentations. The Symposium provides a important platform for young researchers, scientists and technologists to interact closely with the experts and practicing engineers from diverse background.

The thematic technical area of Symposium are listed below but are not limited to these topics.

- | Cryogenics | Superconducting Magnet/Materials |
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| • Cryocoolers, Regenerators | • Superconducting Magnet Systems |
| • Expanders, Pumps, Compressors | • ITER, CERN, Superconducting RF Systems |
| • Cryogenic Power Cables and Leads | • YBCO, BSCCO Wires & Tapes |
| • Cryogenics Industrial Applications | • HTS and LTS Cables, AC Loss |
| • Fluid Mechanics, Heat Transfer | • Superconducting Devices |
| • Thermal Insulation Systems | • Superconductor Measurements |
| • Large-Scale Refrigeration & Liquefaction | • Cryogenic Electronics |
| • Large-Scale Systems, Facilities & Testing | • Superconducting Detectors |

Abstract Submission Details: Prospective authors are requested to submit an extended abstract no longer than one page, two column, single spaced, summarizing the proposed paper. The abstract should include key equations, figures, tables and references as appropriate, with author names and affiliations. The abstract must clearly state the objectives of the work, its significance in advancing engineering or science, and the methods and specific results in sufficient detail. The abstract will be reviewed for final presentation in the symposium. Please refer to the Symposium website for a detailed list of technical topics and the direct submission method. Please use the abstract format provided in the NSCS-27 website. A strict adherence to the provided format is expected.

Contact Information

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