

# School on Accelerator Science and Technology

**Inter-University Accelerator Centre (IUAC), New Delhi, India**

**Sponsored by Department of Science and Technology**

**May 7-18, 2018**

Inter-University Accelerator Centre (IUAC) will be hosting a School on Accelerator Science & Technology during May 7-18, 2018 under the sponsorship of Department of Science & Technology (DST). This school will be third in the series of DST sponsored accelerator schools. This school will provide educational opportunities for young students and beginners in this important and advanced field of research and development. This will also give an overview and status of existing and upcoming accelerator facilities. The school will cover basic physics and technologies related to the accelerators. There will be interactive tutorials and hands-on experiment sessions. During hands-on experiments session students will be exposed to some of the technologies and equipment related to accelerators. The school's main prerequisites are knowledge in classical mechanics, electromagnetism and mathematical physics at the graduate and undergraduate level.

## **Topics:**

Basics of Accelerators, Electrostatics, Circular and RF Accelerators, Charged particle Optics, Space Charge, Ion Source, New Acceleration Techniques, Applications of Accelerators, Power Supplies, Magnet Technology, Vacuum Technology, Diagnostic Devices, Basics of Cryogenic and its Applications to Accelerators, Radiation Safety etc.

## **How to apply:**

Required qualification to apply will be M. Sc. (final year), Integrated M. Sc. (3rd year or above), postdoctoral fellows, junior researchers, young scientists and researchers, preferably below 30 years of age. Mandatory documents required along with the application form will be:

- ❖ Resume (Application available online: <http://www.iuac.res.in/event/sast2018>)
- ❖ Brief write-up (less than 200 words) on “Why you should be participating in the school”
- ❖ Recommendation letter from the Head of the Department or Head of the Organization or Supervisor.

Contact:

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