



Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru

Discussion Meeting on Science using X-ray Free Electron Laser (XFEL)

Applications are invited from the scientists in India for participation in the Discussion Meeting on **Science using X-ray Free Electron Laser (XFEL)** under the banner '**Advances in Nanomaterials using Synchrotron Techniques**' to be held at the JNCASR during **25–26 February 2016**. The meeting will focus on the new and exciting research possibilities around XFEL facilities, and present results obtained from FLASH facility working in slower energy regime. This meeting is part of the **PETRA Users Meeting** to be held on **26 February 2016**.

The travel and local hospitality for the selected participants will be supported by the Nano Mission, Department of Science and Technology as per the Government of India norms. The applications may be sent by e-mail to: anst2014.india@gmail.com and india-desy@jncasr.ac.in. The last date for receiving applications is **12 February 2016**.

The outline of the programme

European XFEL: FEL basics and project overview – *Massimo Altarelli*; FLASH overview and science results – *Wilfried Wurth*; European XFEL instrumentation challenges and matter at extreme states science – *Thomas Tschentscher*; Applications of coherent X-ray FEL radiation to nanoscale systems: Overview and results – *Anders Madsen*; Soft X-ray FEL spectroscopy and scattering for studying nano-materials science – *Andreas Scherz*; Atomic and nanoscale structure determination of biomolecules using X-ray FEL radiation – *Adrian Mancuso*.

Coordinators

Prof. Chandrabhas Narayana, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru; Prof. Mrinmay Mukhopadhyay, Saha Institute of Nuclear Physics, Kolkata and Prof. Milan Kumar Sanyal, Saha Institute of Nuclear Physics, Kolkata.

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