

## **Satellite on-line session of InPAC 2022:**

Raja Ramanna Centre for Advanced Technology (RRCAT) under the aegis of Indian Society for Particle accelerators (ISPA), is organizing a satellite on-line session titled: "Applications of high energy x-rays in materials science: role of high energy 4<sup>th</sup> generation light sources" on 21<sup>st</sup> March 2022, in the backdrop of InPAC 2022.

India currently has two operating Synchrotron radiation sources (Indus-1 and Indus-2). Indus-1 is a 450 MeV, 125 mA synchrotron radiation source and was commissioned in 1999. Indus-2 is a 2.5 GeV, 200 mA synchrotron radiation source which was commissioned in 2005. Along with the operation and utilization of these two synchrotron radiation sources, the Indian accelerator and synchrotron user community is also in the conceptual stage of developing a new high energy 4<sup>th</sup> generation synchrotron radiation source.

In this background, a dedicated session focused on science using next generation synchrotron sources titled: "Applications of High energy x-rays in materials science: role of high energy 4<sup>th</sup> generation light sources" is planned to be organized as a satellite on-line session in the backdrop of InPAC 2022 on 21<sup>st</sup> March. The session will have talks by experts in the sphere of utilization of high energy x-ray for materials science applications. These talks will be covering the basics of experimental techniques, some relevant theoretical basics, highlight the current status, and indicate the future science possibilities. There will also be a short introduction to the participants on 4<sup>th</sup> generation synchrotron radiation sources in this session.

Programme details of this satellite on-line session will be updated soon. Participants interested in attending this satellite session on 21<sup>st</sup> March must register independent of InPAC registration. There is no registration fee for this satellite session

### **Registration for this session is now open**

Last date for registration: 16<sup>th</sup> March 2022

For registration,

please visit the site: <https://www.ispa.co.in/registration-for-satellite-session>

Contact details:

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