

## **Indo-French Spring School on**

### **Understanding and Modelling of Planetary Interiors at the Intersection of Physics and Geophysics**

**Organized by Indo French Centre for the Promotion of Advanced Research (CEFIPRA) &  
National Centre for High Pressure Studies (NCHPS), Indian Institute of Science Education and  
Research Kolkata**

<https://sites.google.com/view/indo-frenchschool2020/home>

As felt in the community, an effort is needed between the Earth and Physical Science academia in India and France, to bring together the knowledge base available in the two countries in this rather important cross-disciplinary area of research. Towards this goal, a two week long Indo-French school on this topic is being organized during 6-17 April, 2020, in which Indian and French speakers will share their knowledge, and expose the research students to the current happenings in the field. In the proposed 2 week long school, young researchers will be exposed to technical details of (a) the first-principles calculation, simulation of coarse grained models, and (b) the experimental high pressure-temperature techniques and data analyses. Additionally talks will be organized in focused areas of geological importance by experts, where these techniques can be applied.

#### **Important Information:**

Venue: Indian Institute of Science Education and Research Kolkata, Mohanpur -741246, Nadia, West Bengal, India.

#### **Registration Fee:**

- (1) Students: INR 1000
- (2) Young Faculties: INR 2000

Registration Fee includes: Materials related to Workshop, Accommodation and Local Hospitality

#### **Maximum Number of Participants: 30**

Few deserving students may be given to and fro travel by Train depending upon availability of funds.

#### **Important Dates:**

Registration Deadline: 28 February 2020

**For Registration details kindly contact: [nchps.iiserk@gmail.com](mailto:nchps.iiserk@gmail.com)**

School Dates: 6 – 17 April 2020

**Contact:** [nchps.iiserk@gmail.com](mailto:nchps.iiserk@gmail.com)

## Tentative List of Speakers

- Chrystele Sanloup, Sorbonne University, Paris, France
- Geeth Manthilake, CNRS, Clermont-Ferrand, France
- Marzena Baron, Sorbonne Universite, Paris, France
- Gaston Garbarino, ESRF, Grenoble, France
- Isabelle Daniel, Université Claude Bernard Lyon 1, France
- Surajit Sengupta, TIFR Hyderabad, India
- Tanusri Saha-Dasgupta, IACS Kolkata, India
- Sourav Pal, IISER Kolkata, India
- Goutam Dev Mukherjee, IISER Kolkata, India
- Sujoy Kanti Ghosh, IIT Kharagpur, India
- Somnath Dasgupta, IISER, Kolkata, India
- V. K. Gaur, CSIR Fourth Paradigm Institute, Bangalore, India
- N. V. Chalapathi Rao, Banares Hindu University, India
- K.S. Krishna, University of Hyderabad, India
- Arghya Banerjee, IISER Pune, India
- Barun Mukherjee, Wadia Institute, India
- Chandrabhas Narayana, JNCASR, Bangalore, India
- Swastika Chatterjee, IISER Kolkata, India
- Gaurav Shukla, IISER Kolkata, India

### Program Duration

1. First Week: 6 – 10 April 2020
2. Second Week: 13 – 17 April, 2020

### Program Schedule Everyday:

1. Lecture 1: 09:00 hrs to 10:30 hrs (90 minutes)
2. Tea Break: 10:30 hrs to 11:00 hrs (30 minutes)
3. Lecture 1: 11:00 hrs to 12:30 hrs (90 minutes)
4. Lunch Break: 12:30 hrs to 14:00 hrs
5. Hands on Experiments and Tutorials: 14:00 hrs to 17 hrs (180 minutes)

**\*\*Note: The detailed talk schedule will be announced later**