

**International Symposium on “Advances in Earthquake Science” (AES-2013)
and International school on "Use of e-infrastructures for advanced seismic hazard
assessment in Indian Subcontinent"**

Date

Symposium: 1-2 February 2013, School: 4-7 February 2013

Venue: Institute of Seismological Research, Raisan, Gandhinagar, Gujarat

Organizer:

Institute of Seismological Research, Dept of Science & Technology, Govt. of Gujarat and
Indian Society of Earthquake Science (ISES)

Themes:

1. Earthquake Precursors and Prediction Studies
2. Seismic /Tsunami Hazard Assessment
3. Neotectonics
4. Real time seismology
5. Lithospheric structure
6. Engineering Seismology

Participants:

1. Research Scholars and Scientists of various organizations in India
2. Faculty of various universities

Travel and subsistence expenses of the participants should be borne by themselves. Only limited funds are available for some participants who are retired or unable to arrange fund from their institutions.

Call for Abstracts:

The abstract should be within one A4 page in MS Word format, Times New Roman, font 12, line spacing 1.5. The title of the abstract should be in Times New Roman, font 14, bold, centered aligned followed by authors' names, affiliations, and email of corresponding author. Figures, if necessary, should be accommodated on the same page. The abstract should be sent on the email 2013.aes@gmail.com on or before 15th December 2012.

Registration

Registration fees:

Delegates	Rs. 5000
Research Scholars	Rs. 1000

- Registration fees will include Conference material and tea/coffee
- ISR guesthouse/hostel accommodation will be arranged on request

International school on "Use of e-infrastructures for advanced seismic hazard assessment in Indian Subcontinent"

Date: 4-7 February 2013

Venue: Institute of Seismological Research, Raisan, Gandhinagar, Gujarat

The purpose of the school is facilitating the development and application of a scientifically consistent approach to seismic hazard assessment; disseminating latest knowledge in engineering practice, advanced reliable tools for seismic hazard estimates; and exploiting, as much as possible, the advantages provided by computational resources and e-Infrastructures.

Young scientists and particularly participants from Indian subcontinent (seismologists, engineers) are planned to attend the School. Thus the School will facilitate and accelerate the practice and the application of the advanced scientific tools in seismic hazard assessment (SHA). The lectures will cover the following specific topics.

- General issues of the SHA. The classical deterministic and probabilistic (DSHA and PSHA) and innovative approaches - neo-deterministic and scenario based ones (NDSHA and SBSHA) - advantages and disadvantages;
- Seismic wave propagation modelling. Strong ground motion data bases and strong motion processing;
- Advanced SHA tools. Seismic zonation at regional, national and metropolitan scale: case studies in Europe and Asia;
- Basic Concepts on e-infrastructure for computational sciences
- How to port scientific applications on e-infrastructure: basic usage of GRID and HPC infrastructure.

Registration fees:

Participants Rs. 5000

Research Scholars Rs. 1000

Late date of registration: 15th December 2012

Resource persons for the School:

1. Dr B K Rastogi, Director General, ISR
 2. Dr. Stefano Cozzini, CNR-IOM/ Democritos, Trieste, Italy
 3. Dr. Antonella Peresan (ICTP-SAND Group and DMG, University of Trieste)
 4. Dr. Franco Vaccari (ICTP-SAND Group and DMG, University of Trieste)
 5. Dr. Fabio Romanelli (ICTP-SAND Group and DMG, University of Trieste)
 6. Dr. Andrea Magrin (ICTP-SAND Group and DMG, University of Trieste)
 7. Dr Imtiaz A Parvez, C-MMACS, Bangalore
 8. Dr Sumer Chopra, Scientist-E, MoES, New Delhi
 9. Mr A G Chhatre, Executive Director, NPCIL, Mumbai
 10. Mr Santosh Kumar, Scientist-D, ISR
 11. Dr Kapil Mohan, Scientist-C, ISR
 12. Dr. B Sairam, Scientist-B, ISR
- and some others.

Contact Details for symposium and post-symposium workshop:

1. Dr. Pallabee Choudhury and

2. Ms. Falguni Bhattacharjee

Institute of Seismological Research,

Near Pt. Deendyal Petroleum University,

Raisan, Gandhinagar-382009.

Phone No. +91-79-66739015(O), +91-79-66739017(O)

Fax: +91-79-66739015.

e-mail: 2013.aes@gmail.com

web: <http://www.isr.gujarat.gov.in>