

**CHAPMAN CONFERENCE  
(AMERICAN GEOPHYSICAL UNION)  
ON  
STABLE CONTINENTAL REGION (SCR) EARTHQUAKES**

**25–29 January 1998**

**Venue: National Geophysical Research Institute (NGRI)  
Hyderabad 500 007, India**

**SCOPE:** There is growing evidence that intraplate regions are much more vulnerable to earthquakes than was hitherto thought. This is indeed corroborated by the events at New Madrid Zone (USA), Tennat Creek (Australia), Ungava (Canada), Kutch, Koyna, Latur, Jabalpur (India), etc., which occurred in different shield areas of the world. In several developing countries like India the problems caused by Stable Continental Region (SCR) earthquakes have become very serious because of large population density and non-engineered structures. In view of the basic as well as great applied significance of the SCR Earthquakes, the **CHAPMAN CONFERENCE** is being organized by AGU, at the National Geophysical Research Institute, Hyderabad (India).

This conference convenes a group of leading international experts in Seismology, Tectonophysics, Engineering and Theoretical studies to focus on the database, mechanisms and stress regimes of SCR earthquakes. This group will try to evaluate potential mechanisms, repetitions and pre-shock indicators. Field visits to the deadly Latur earthquake region, the Koyna Reservoir of RIS are being arranged.

**CONVENORS:** Harsh K. Gupta and Arch C. Johnston

**MAIN TOPICS**

- \* Mechanics of SCR Earthquakes in Response to Compressional/Additional Forces
- \* Comparison of Stress Regimes of Different Shield Areas
- \* Source Parameters of SCR Events
- \* Do SCR Earthquakes Repeat?
- \* Are SCR Events Preceded by Pre-shocks?
- \* Mechanical Consequences of Erosion of Highland in the SCR
- \* Possibility of fluids and resulting variation in the Seismic Stability
- \* Thermomechanical History of SCR
- \* SCR Earthquakes: Case Histories
- \* Geochemical, Geoelectrical and other Studies

SCIENTISTS INTERESTED IN THE ABOVE TOPICS MAY SEND THEIR ABSTRACTS TO HARSH K. GUPTA BY 15 OCTOBER 1997 ON THE FORMAT OF *JOURNAL OF GEOLOGICAL SOCIETY OF INDIA*.

FOR STUDENTS AND RESEARCH SCHOLARS INTERESTED IN PARTICIPATING IN THE CONFERENCE, II CLASS RETURN TRAIN FARE AND SUBSIDIZED BOARDING AND LODGING FACILITIES SHALL BE PROVIDED AT NGRI TO 25 PERSONS. PERSONS INTERESTED IN AVAILING THIS FACILITY MAY PLEASE WRITE TO DR P. KOTESWARA RAO, SCIENTIST, NGRI, HYDERABAD 500 007.

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