

Call for Papers:

“Continuum Mechanics and Earthquake Seismology”

International Journal of Engineering, Science and Technology (IJEST)

Call for Papers

Special Issue on: “Continuum Mechanics and Earthquake Seismology”

We concentrate on two areas in this Special Issue: Continuum Mechanics and Earthquake Seismology.

Continuum mechanics is the branch of mechanics that deals with the deformation and motion of materials, including various elasticity theories. Although classical elasticity works well for studying earthquakes in the far field, there are alternate elasticity theories that may be more appropriate for studying earthquakes in the near field.

Earthquake Seismology is the scientific study of earthquakes and the movement of waves through the earth. The field also includes studies of variants such as *seaquakes*, causes such as volcanoes and plate tectonics in general, and offshoot phenomena such as tsunamis.

Earthquakes (and other earth movements) produce different types of seismic waves. These waves travel through rock and structures deep in the Earth. Pressure waves pass through the core. The process of mapping subsurface features is a specialty called seismography. Seismic waves produced by explosions have been used to map salt domes and other oil-bearing rocks, faults (cracks in deep rock), rock types, and long-buried giant meteor craters. Seismic tomography .

The objective of the issue is to invite contributions from researchers, academicians and practitioners from industries and research establishments in the area of Continuum Mechanics and Earthquake Seismology. The topics to be covered include, but not limited to:

- Deformation and Motion of Materials, including various Elasticity Theories
- Mechanics of Solids and Structural Mechanics
- Vibration of Beams , Plates and Shells including Random Vibrations
- Engineering, Physical, Structural, Architectural Acoustics
- Problems on Elastic, Poroelastic, Thermoelastic, Pizeoelectric, Viscoelastic Materials
- Biomechanics and Biomedical Engineering
- Fluid Mechanics, Computational Fluid Dynamics (CFD) and Plasma Physics
- Computational Methods and Recent Developments in Applied Mathematics.

Submission Guidelines and Important Dates

Manuscripts should be in English and normally not exceed 7000 words in length (single column, 10 pt running text, double spacing, Times New Romans). All contributions will be subjected to a blind review process. Manuscripts must be sent electronically to the following email addresses:

amares.c@gmail.com, mohmad.tajuddin@gmail.com, sa_oke@yahoo.com

with the subject title as: Special Issue on “Continuum Mechanics and Earthquake Seismology” in Word document (Microsoft Word 97/2000/2003 version) not later than September, 2010. The official website of the journal is found at www.ijest-ng.com.

Important dates are as follows:

Deadline for full paper submission:	September, 2010
First turn of paper review:	December 31, 2010
Second turn of paper review:	March 31, 2011
Final (Camera-ready) paper submission:	July 31, 2011

Addresses of Guest Editors:

Dr Amares Chattopadhyay, Professor Department of Applied Mathematics Indian School of Mines Dhanbad- 826004, Jharkhand, INDIA Tel: +91-329-2235320 Fax: +91-329-2296563 Email: amares.c@gmail.com	Dr M. Tajuddin, Professor Department of Mathematics Osmania University Hyderabad, 500 007, INDIA Phone: +91- 40 - 27095083 Fax: +91- 40 - 27095083 E-mail: mohmad.tajuddin@gmail.com
--	--

For enquiries, send to either of the Guest Editors or Dr. S.A. Oke (sa_oke@yahoo.com), Editor, IJEST