

ENQUIRIES

All enquiries concerning the symposium should be mailed to the following address:

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or

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Keynote Speakers

The symposium will have keynote lectures by eminent academicians/professionals specialised in earthen structures

Technical Review Committee

Dr. Marcial Blondet, PUC, Peru
Mr. Bruce King, Green Building Press, USA
Prof. Khosrow Ghavami, PUC-Rio, Brazil
Dr. Steve Goodhew, University of Plymouth, UK
Dr. Matthew Hall, University of Nottingham, UK
Dr. Andrew Heath, University of Bath, UK
Dr. Kevan Heathcote, UTS, Australia

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Prof. K.S. Jagadish, IISc, India
Mr. Vasilios Maniatidis, Greece
Mr. Ali Mesbah, ENTPE, France
Dr. Jean-Claude Morel, ENTPE, France
Prof. G. Minke, University of Kassel, Germany
Prof. B.V. Venkatarama Reddy, IISc, India
Dr. B.K. Sahu, University of Botswana, Botswana
Dr. H. Schroeder, Bauhaus University, Germany
Dr. Peter Walker, University of Bath, UK
Dr. Christof Ziegert, ZRS, Germany
Prof. Sanghamitra Basu, IIT Kharagpur, India
Mr. Hugh Morris, University of Auckland, NZ

Patron

Prof. K.S. Jagadish, IISc, India

ORGANISING COMMITTEE

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Chairman, Department of Civil Engineering
Indian Institute of Science, Bangalore, India

Organising Chairman

Prof. B.V. Venkatarama Reddy
Department of Civil Engineering
Indian Institute of Science, Bangalore, India

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Dr. K.S. Nanjunda Rao, IISc, India
Dr. M.R. Yogananda, India
Mr. Subhash C. Basu, India

Preliminary announcement & call for papers

International Symposium on Earthen Structures (ISES-2007)

22-24 August 2007
Bangalore, INDIA

Jointly organised by

Department of Civil Engineering and
Centre for Sustainable Technologies (Formerly ASTRA)
Indian Institute of Science,
Bangalore, INDIA

Department of Architecture and Civil Engineering
University of Bath, U.K.

Ecole Nationale des Travaux Publics De L'Etat (ENTPE)
Lyon, France



UNIVERSITY OF
BATH



Venue:
Indian Institute of Science, Bangalore, INDIA

INTRODUCTION

Earthen structures house a significant proportion of humanity, globally. Earthen structures adopt time-tested building techniques and are affordable, easily procurable and more responsive to local environmental conditions. In our current pursuit of Sustainable Development, Earthen Structures hold enormous relevance and potential in providing solutions for energy efficiency, human comfort, eco-architecture (green buildings), cost-effectiveness, and recyclability.

However, increasing modernisation of lifestyles and rapid pace of urbanisation have seen a steep decline in the acceptance and adoption of traditional or vernacular earthen structures. Architecture today is characterised by designs that are less climatically responsive and adopt more energy intensive building materials. Not only are these modern building materials and techniques often unsuited to demands of climate and cultures, they also place heavy demands on the energy required to maintain required comfort levels.

Fortunately, interest in traditional and modern methods of earthen buildings has been steadily growing as more sustainable and healthier buildings are sought, globally. The introduction and development of affordable solutions to combat critical housing shortages, using earth based materials, such as compressed earth blocks, rammed earth, etc., remain a primary focus for modern earth-based buildings. Recent progress includes wide adoption of stabilised compressed earth blocks and rammed earth constructions.

Earthen building offers many advantages, including opportunity to use locally available materials, low environmental impact of construction, better thermal comfort, improved health, and a favourable environmental building-performance.

Challenges include lack of sound engineering design methodologies/guidelines, poor seismic resistance, limited data availability on performance, uncertified products, lack of education, training and awareness and insufficient regulatory mechanisms.

OBJECTIVES

The symposium will provide an International Forum for information dissemination and exchange, discussion and debates on research and practice in the broad field of earthen structures, including materials, building techniques, architecture and building-comfort studies.

The symposium aims to bring together practicing professionals (engineers and architects), manufacturers, building professionals, designers, academicians, researchers and postgraduate research students keenly interested and engaged in the theory and practice of 'Earthen Structures'.

THEMES

The following themes can include case-studies, research, innovations pertaining to Earthen structures

- I. Materials
- II. Technology (adobe, rammed earth, stabilised earth, etc.)
- III. Performance and durability (energy, seismic resistance, climate-response, structural, sustainability etc.)
- IV. Design (architecture, code/regulations, etc.)
- V. Heritage structures, conservation, repair and reuse
- VI. Traditional and non-traditional concepts and practices

KEY DATES

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|--|----------------------|
| Submission of abstract | : 15th November 2006 |
| Announcement of Acceptance of abstract | : 4th December 2006 |
| Submission of full length paper | : 5th February 2007 |
| Announcement of Acceptance of papers with referee comments | : 20th April 2007 |
| Submission of final papers incorporating referee comments | : 18th May 2007 |

LANGUAGE

The official language of the symposium is English

ACCOMMODATION

Limited accommodation is available for authors/ delegates at the Institute campus in Bangalore. Requests for in-campus accommodation will be on 'first come first serve' basis.

Detail information regarding few hotels in the city for accommodation will be given in the symposium website.

REGISTRATION FEES

The registration fees are as follows:

| | |
|--|-----------------|
| Author/Delegate from abroad: | €200 (US \$275) |
| Accompanying Spouse: | €75 (US \$100) |
| Author/Delegate from within the country: | Rs. 4000 |
| Accompanying Spouse: | Rs. 1500 |
| Students from abroad: | €100 (US \$135) |
| Students from within the country: | Rs. 2000 |

The registration fee includes seminar materials, refreshments, working lunches and a banquet.

TRAVEL / VISA ARRANGEMENTS

Prospective symposium participants are strongly advised to contact local immigration authorities to obtain procedures towards visiting India. They should contact the Indian Embassy or High Commission in their home country for visa at least a couple of months before the date of expected departure. Letter of invitation, on acceptance of the paper, will be provided on request.

LIABILITY

The registration fee does not cover insurance for participants against personal injury, sickness, theft, property damage or the like. This also applies to any untoward events held in conjunction with official symposium programme. Participants and accompanying persons are advised to arrange for insurance as they consider necessary. The Symposium Organising Committee, the secretariat, sponsors and other agents acting on behalf of the seminar do not assume any responsibility for loss, injury or damage to persons or belongings whatever their cause may be.

Preliminary Registration form

**International Symposium on Earthen
Structures (ISES-2007)**

22-24 August 2007

Bangalore, INDIA

Please return the completed form (or e-mail) to
Prof. B.V. Venkatarama Reddy or
Dr. Monto Mani

Name: _____

Organisation: _____

Full postal address: _____

Tel.: _____

E-mail: _____

- I plan to attend the symposium
- I plan to submit a paper
- I would like to be kept informed
about arrangements for the symposium

Title of paper:

Authors: