



INDIAN SOCIETY OF
EARTHQUAKE TECHNOLOGY
<http://www.iitr.ernet.in/iset>
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NEWS LETTER

ISET Honorary Fellow Late Prof. Jai Krishna Elected As Legend Of Earthquake Engineering



The event of electing Legends of Earthquake Engineering was sponsored by ANCER (Asian-Pacific Network of Centers for Earthquake Engineering Research). ANCER is an International Research/Education Centre based consortium with an objective to globally expand and advance the future of Earthquake Engineering Profession. 125 International Organizations voted to elect the Legends of Earthquake Engineering who have unprecedented contributions in the field of Earthquake Engineering. Thirteen Legends of Earthquake Engineering were elected from all over the world. These include 05 from USA, 03 from Japan and one each from South America, Europe, New Zealand, China and India.

Prof. Jai Krishna made many pioneering contributions as an educator, researcher, innovator and institution builder. While on a visit to the California Institute of Technology, USA in 1956, he developed intimate and close relationship with Prof. G.W. Housner and late Prof. D.E. Hudson. This association resulted in the starting of a teaching and research program in Earthquake Engineering at University of Roorkee in 1960. This is the only program of its kind in India even today. He introduced courses on Soil Mechanics in 1948 and on Structural Dynamics in 1958 in India. He was the prime motivating force behind the formulation of Indian Standards for Earthquake Resistant Design of Structures that was brought out by the Indian Standards Institution (now Bureau of Indian Standards). This standard is used extensively and is one of the most comprehensive in the world. He has also been responsible for earthquake resistant design of a large number of major and important engineering projects in India. Prof. Jai Krishna worked tirelessly for instrumenting different seismic zones of India and Himalaya in particularly.

Prof. Jai Krishna formed the Indian Society of Earthquake Technology in 1962 and served as its founder President. Thanks to his initiative, the Society has grown tremendously in membership, organizes a symposia every four years and publishes a quarterly journal dedicated to earthquake technology. He was instrumental in making India a member country of the International Association of Earthquake Engineering of which he was elected President for the period 1977-1980. He pioneered research and development in Earthquake Engineering in India. Due to his efforts, India is one of the few countries of the World, which have well written codes of practices for earthquake resistant design of structures. It is difficult to visualize research and development in this field without recalling his valuable contributions.

Prof. Jai Krishna published extensively in various national and international journals as well as conferences and won many prizes and awards from national and international organization. Some of the notable awards are Bhatnagar Award of CSIR (1966), National Design Award (1971) of the Institution of Engineers (India), Moudgil Award of Indian Standards Institution (1972), International Award of Japan Society of Disaster Prevention (1988) and award for life time contributions in Earthquake Engineering by Indian National Academy of Engineering (1997). Prof. Jai Krishna was awarded Honorary Doctorate by Agra University and the University of Roorkee. For his meritorious services to the nation, he was conferred Padam Bhushan by President of India in 1972.

Prof. Jai Krishna travelled far and wide and visited many countries all over the world. He held several important national and international assignments in various capacities. Prof. Jai Krishna is a Fellow of several professional bodies and academies. Some of the important amongst these are Indian Society of Earthquake Technology, Indian National Science Academy, Indian National Academy of Engineering, Institution of Engineers (India), American Academy of Engineering, Third World Academy of Sciences and International Association of Earthquake Engineering.

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The new rates of membership/subscription fees of the Society, as approved by the Executive Committee in its 158th meeting held on September 26, 2008, are cited below. These changes will be applicable w.e.f. January 01, 2009.

<u>Category of Membership Fees</u>	<u>Old Fees April 2002</u>	<u>Revised Fees January 2009</u>
<u>IN INDIA</u>		
Life membership	Rs. 3000/-	Rs. 5000/-
Annual Membership	Rs. 750/-	Rs. 1000/-
Student Membership (Annual)	Rs. 200/-	Rs. 500/-
Permanent Institutional Membership	Rs. 15000/-	Rs. 25000/-
Annual Institutional Membership	Rs. 4000/-	Rs. 6000/-
Life Fellowship		
<i>(For conversion of Life Membership to Fellowship)</i>	Rs. 1500/-	Rs. 2000/-
*Annual Subscription of ISET Journal	Rs. 1500/-	Rs. 2000/-
<u>OUTSIDE INDIA</u>		
Life membership	US\$ 300/-	US\$ 500/-
Annual Membership	US\$ 75/-	US\$ 100/-
Permanent Institutional Membership	US\$ 1500/-	US\$ 2500/-
Annual Institutional Membership	US\$ 400/-	US\$ 600/-
Life Fellowship		
<i>(For conversion of Life Membership to Fellowship)</i>	US\$ 150/-	US\$ 200/-
*Annual Subscription of ISET Journal	US\$ 150/-	US\$ 200/-

*Already revised rates are in in-force (with effective year 2008) as per EC resolution 157.5

ISSET MEMBERSHIP CORNER

The Executive Committee of ISET extends a hearty welcome to the following Members who have been admitted to the Society during the period March 12, 2008 to September 26, 2008

Life Members

1. LM 1356	Dr. Syed Mohd Abbas	New Delhi
2. LM 1357	Dr. Vinod Jain	New Delhi
3. LM 1358	Mr. Anant M. Parghi	Surat, Gujarat
4. LM 1359	Mr. Rajeev Pipraiya	New Delhi
5. LM 1360	Dr. Akhilesh Kumar Pandey	CBRI, Roorkee
6. LM 1361	Mr. Pavan Kumar Emani	DEQ, IIT Roorkee
7. LM 1362	Mr. S. Senthil Raj	Tamilnadu
8. LM 1363	Prof. Iqraz Nabi Khan	Jaipur, Rajasthan
9. LM 1364	Dr. Jay P. Aglawe	Nagpur
10. LM 1365	Mr. Sawyan Baran De	Kolkata
11. LM 1366	Mr. Arjun C.R.	Mysore, Karnataka
12. LM 1367	Dr. R.S. Londhe	Aurangabad
13. LM 1368	Dr. Rekha Shrestha	Bhaktapur, Nepal
14. LM 1369	Mr. Greeshma Sivasankara Pillai	Chennai
15. LM 1370	Dr. Prabha Shanker Mishra	Noida
16. LM 1371	Mr. Anshu Tomar	DEQ, IIT Roorkee
17. LM 1372	Ms Debarati Datta	Mumbai
18. LM 1373	Dr. E.B. Perumal Pillai	Coimbatore
19. LM 1374	Mr. Ajay Kumar Singh	New Delhi
20. LM 1375	Dr. Ajay Kumar Gupta	Jodhpur
21. LM 1376	Mr. Ashok Khanderao Rajurkar	Nanded (M.S.)
22. LM 1377	Mr. Naseem Akhtar Khan	New Delhi

Life Fellow

1. LF 44	Dr. Satish K. Sharma	Jalandhar Cantt, Punjab
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TO ALL MEMBERS OF ISET

We would like to have your current mailing address, telephone numbers, mobile number, fax number and e-mail address. Kindly send this information through e-mail at iset@iitr.ernet.in. We look forward for your active participation in the affairs of the Society.

CALENDER OF FORTHCOMING EVENTS

DECEMBER 15-19, 2008

The American Geophysical Union 2008 Fall Meeting, San Francisco, CA

Contact address: For more details, please visit: www.agu.org/meetings/fm08

FEBRUARY 10-13, 2009

Map World Forum, Hyderabad, India

Contact address: For more details, please visit: www.mapworldforum.org/2009/index.htm

FEBRUARY 11-14, 2009

EERI Annual Meeting, Salt Lake City

Contact address: For more details, please visit: www.eeri.org

APRIL 8-10, 2009

Annual Meeting of the Seismological Society of America, Monterey, CA

Contact address: For more details, please visit: www.seismosoc.org/meetings/meetings.html

JUNE 1-3, 2009

SEM Annual Conf. & Expo on Experimental and Applied Mechanics, Albuquerque, NM

Contact address: For more details, please visit: www.sem.org/CONF-AC-TOP.asp

JUNE 15-17, 2009

Int'l Conf. on Performance-Based Design in EQ Geotech. Eng., Tokyo, Japan

Contact address: For more details, please visit: www.comp.tmu.ac.jp/IS-Tokyo

JUNE 28 TO JULY 01, 2009

TCLEE Conference: Lifeline EQ Eng. in a Multihazard Environment, Oakland, CA

Contact address: For more details, please visit: www.asce.org/tee2009

SEPTEMBER 13-17, 2009

10th Int'l Conference on Structural Safety & Reliability (ICOSSAR2009), Osaka, Japan

Contact address: For more details, please visit: www.sc.kutc.kansai-u.ac.jp/icossar2009

MAY 23-29, 2010

5th Int'l Conference on Recent Advances in Geotech. EQ Eng. & Soil Dynamics & Symposium in Honor of I.M. Idriss, San Diego, CA

Contact address: For more details, please visit: prakash@mst.edu

JULY 25-29, 2010

9th U.S. Nat'l & 10th Canadian Conference on EQ Eng.: Reaching Beyond Borders, Westin Harbour Castle Hotel, Toronto, Canada

Contact address: For more details, please visit: www.2010eqconf.org

OBITUARY



Prof. George William Housner (LM-02), who pioneered the modern field of earthquake engineering, developing a complete mathematical system to analyze the effects of ground shaking on structures breathed his last on November 10, 2008. He was 97. Prof. Housner had a deep impact on the development of earthquake engineering in India and many other developing countries. In the late fifties, Late Prof. Jai Krishna was introduced to the subject by him and by his colleague at Caltech Late Prof. Donald E. Hudson. Later in the year 1959, Prof. Housner and Hudson spent several months at Roorkee to help Prof. Jain Krishna start the earthquake engineering programme in India and to organize the first of the 4-yearly Indian Symposia on Earthquake Engineering---the flagship activity of ISET. He was instrumental in the formation of the International

Association for Earthquake Engineering (IAEE) and the Earthquake Engineering Research Institute (EERI). He was named the Distinguished Alumni by California Institute of Technology, Pasadena in 2006. He never married and lived in a Pasadena rest home after his retirement from Caltech.

The members of the ISET share the grief of his departure with his associates and close friends. May his soul rest in peace.

News from Department of Earthquake Engineering, IIT Roorkee

Two courses of two and four week duration, on Earthquake Risk Management were organized at the Continuing Education Centre, IIT Roorkee during June 02-14, 2008 and September 01-26, 2008 respectively, under the National Programme of Capacity Building of Engineers for Earthquake Risk Management (NPCBEERM) initiated and supported by the Ministry of Home Affairs, Government of India. These courses were organized by the Department in the capacity of State Resource Institute (SRI) and National Resource Institute (NRI).

The two week course was attended by 25 engineers working in different department of Uttarakhand State, while the four week course was attended by 10 teachers and one practicing engineer from different parts of the country. During the courses, the participants were trained on the techniques of Earthquake Resistant Design of new structures and Seismic-Retrofitting of existing structures. Class room lectures, panel discussions, field trip and film show were used to impart the training. Some exposure to application of computers in Earthquake Resistant Design and Retrofitting was also provided. The participants were provided an opportunity to learn the fundamentals of the latest computer software with a hands-on experience. The participants were provided with the copies of the lecture volume and the relevant IS codes. At the end of training, a written exam was also conducted and feedback was obtained from the participants in a prescribed format.

Prof. Ashwani Kumar, Head, Department of Earthquake Engineering, IIT Roorkee was the Chief Guest of the Inaugural function of both the above courses and Prof. D.K. Paul, President ISET delivered the inaugural lecture. In the valedictory function, certificates of participation were distributed by Prof. Prem Krishna, Ex Professor, IIT Roorkee and an eminent scientist in the field of wind engineering and cyclone resistant design. He emphasized on multi-hazard resistant design approach. He also underlined the need of in service training of the engineers, as the technology is changing at a very fast pace.

In their feedback, the participants suggested to have more such courses with increasing level of training complexity, at regular intervals. It is important to revise and update the technical information and to have an interaction with the experts after a span of working experience in the implementation of acquired skills. They also emphasized on need of specialized courses pertaining to the different government departments. Some of the participants felt need for a higher degree course and requested for some arrangement to sponsor young in-service engineers for M.Tech. courses in earthquake engineering. The participants also pledged to spread the technical information further, particularly to the common people.

For further details please contact Course Coordinator Dr. Yogendra Singh, at yogenfeq@iitr.ernet.in,
Tel.: +91-1332-285534, Fax: +91-1332-276899

News from National Information Centre of Earthquake Engineering, IIT Kanpur

A "Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture" was conducted at IIT Kanpur during July 03 - 08, 2008. This was a part of NICEE initiative towards reaching the architects of tomorrow through a hands-on programme in earthquake resistant architectural design. The workshop was attended by 57 participants of 19 colleges from all over India (and Nepal). These participants were selected from over 100 applications which were received. The aim of this workshop was to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios where they were given guidance in earthquake resistant design by working on an architectural design project.

During the six-day workshop the students were given an architectural design assignment where they were required to design an apartment complex containing a mix of various different types of apartments in addition to amenities and utilities for residents. The brief was to incorporate earthquake resistant features at the conceptual design stage along with the usual design considerations such as activities, climate, image etc. Students were exposed to RESIST software to test the adequacy of their designs from seismic performance perspective and this session helped them arrive at reasonable sizes of structural members. The design assignment helped the students internalize earthquake safety issues and apply these in their design solutions.

For further details please contact Cdr Suresh Ailawadi, Retd., at asuresh@iitk.ac.in, nicee@iitk.ac.in. Contact no. +91-512-259 7749, +91-9450162502

NEWS ABOUT LOCAL CHAPTER

The new Chairman, Secretary and Members of the Mumbai Local Chapter have been elected. The new Office-Bearers are as follows:

Sri S.P. Bagli	- Chairman
Sri Arun Samota	- Secretary
Sri K. Giridhar, Sri C.S. Unnikrishnan Nair and Sri Kapilesh Bargava	- Members