ICOVP 2015



In continuation with ICOVP activities since 1990

12th International Conference on Vibration Problems December 14-17, 2015 Indian Institute of Technology Guwahati, INDIA

Call for papers

ICOVP-XII is **12**th in a series of conferences being held in an effort to bring together researchers and engineers working in the field of vibration. The conference aims to provide researchers a platform for sharing their innovative and creative research findings in the field of vibration problems. The prestigious conference will be organized by the Mechanical Engineering Department, Indian Institute of Technology Guwahati, INDIA, from 14-17 December 2015. To submit the extended abstract and full-length paper, please visit http://www.iitg.ernet.in/icovp15. Major Topics includes Vibration problems with (but not limited to) the following fields.

Structural Dynamics	Acoustics
Experimental Technique	Fluid-Structure Interactions
Nonlinear Dynamics	Modal Analysis
Stochastic Dynamics	Signal Processing
Computational Methods	Rotor Dynamics
Wave Problems	Structural Health Monitoring
Neuro Dynamics	Vibration Control & Isolation

History of ICOVP series of Conferences:

- ICOVP I, 1990; A.C. College, Jalpaiguri (India), 20-23 October, 1990
- ICOVP II, 1993: A.C. College, Jalpaiguri (India), 4-7 November, 1993
- ICOVP III, 1996: University of North Bengal (India), 27-29 November, 1996
- ICOVP IV, 1999: Jadavpur University, Calcutta, West Bengal (India), 27-30 November, 1999
- ICOVP V, 2001: IMASH, Moscow (Russia), 8-10 October, 2001
- ICOVP VI, 2003: Technical University of Liberec, Liberec (Czech Republic), 8-12 September, 2003
- ICOVP VII, 2005: Isik University, Sile, Istanbul (Turkey), 5-9 September, 2005
- ICOVP VIII, 2007: Bengal Engineering and Science University, Shibpur (India), 1-3 February, 2007
- ICOVP IX. 2009: Indian Institute of Technology. Kharagpur (India), 19-22 January, 2009
- ICOVP X, 2011: Prague (Czech Republic), 5-8 September, 2011
- ICOVP XI, 2013: Instituto Superior Técnico (Portugal), 9-11 September, 2013

Organizing Committee:

Patron: Prof. Gautam Biswas, Director, IIT Guwahati Chairman: Prof. A. K. Dass. HoD (ME). IIT Guwahati Secretary: Prof. Santosha K. Dwivedy, IIT Guwahati Joint Secretary: Prof. Rajiv Tiwari, IIT Guwahati Treasurer: Prof. Satyajit Panda, IIT Guwahati

Detailed list in the website http://www.iitg.ernet.in/icovp15

Steering and International Scientific Committee:

Prof. Esin Inan, ISIK University, Turkey (Chairman SC) Prof. Murali Mohan Banerjee, Founder member ICOVP, India Prof. P. Biswas.Founder member ICOVP. India Prof. Kaczmarczyk Stefan, The University of Northampton, UK Prof. Gabor Stepan, Budapest Univ. Tech. and Econ., Hungary Prof. S. Narayanan, Indian Institute of Technology Madras, India Prof. Andrei Metrikine, Delft University of Technology, Netherlands Prof. Li Cheng, The Hong Kong Polytechnic University, Hong Kong Prof. Paulo Batista Gonçalves, Pontifical Catholic Univ., Brazil Prof. Zaihua Wang, Nanjing Univ. of Aero. and Astronautics, China Prof. Takashi Hikihara, Kyoto University, Japan Prof. Abhijit Mukherjee, IIT Gandhinagar, India Prof. Marina V Shitikova, Voronezh State Univ. Russia Prof. Sergey Sorokin, Aalborg University, Denmark Prof. Jaromir Horacek. Inst. of Thermo. Czech Republic Prof. J. Naprstek, Inst. Theor. and App. Mech., Czech Republic Prof. Jian Xu, Tongji University, Shanghai Prof. Yiqiang Xiang, Zhejiang University, China

Prof. Achintya Choudhury, Sir Padampat Singhania University, India

- Prof. Shigehiko Kaneko, The University of Tokyo, Japan Prof. Jagannath Mazumdar, The University of Adelaide, Australia
- Prof. Rolf Steinbuch, Reutlingen University, Germany
- Prof. L. Pesek. Academy of Sciences of the Czech Republic
- Prof. Zuzana Dimitrovova, Universidade Nova de Lisboa, Portugal
- Prof. W. Wedig, KIT-Universitaet Karlsruhe Institute, Germany
- Prof. Kurian V. John. Universiti Teknologi Petronas. Malavsia
- Prof. Alejandro Diaz, Michigan State University, USA
- Prof. Julius Kaplunov, Keele University, UK
- Prof. Jyoti Sinha, The University of Manchester, UK
- Prof. Pedro Ribeiro, Universidade do Porto, Portugal
- Prof. Jan Awreicewicz. The Lodz University of Technology. Poland
- Prof. J. M. Balthazar, Universidade Estadual Paulista, Brazil
- Prof. S. Lenci, Polytechnic Univ. of Marchevia Brecce Bianche, Italy Prof. Ferdinand Verhulst, University of Utrecht, Netherlands
- Prof. Yufeng Xing, Beihang University, China
- Prof. M. Vaclavik, Technical University of Liberec, Czech Republic
- Detailed list in the website www.iitg.ernet.in/icovp15

Kev Dates:

	Last Date of Submission	Date of Announcement of Acceptance		
Abstract	28 th Feb 2015	15 th March 2015		
Full Paper	15 th May 2015	15 th Jul 2015		
Submission of camera ready paper: 15 th of August 2015. Conference date: 14-17 December 2015				

Registration:

Delegates From	Before 31/07/2015	After 31/07/2015	
INDIA, SARC Countries	Rs. 5000	Rs. 6000	
ASIAN Countries	\$ 300	\$ 350	
OTHER Countries	\$ 400	\$ 450	
Industrial Delegates	Rs. 10000	Rs. 12000	
 50% reduced fee for students. 			

- Additional paper fee is Rs. 1500/- (\$25)

Additional Information:

- Special Sessions for Presentation through Skype will be Arranged based on Request for Foreign Participants
- . Based on Reviewers comments Manuscripts will be considered for Oral or Poster Presentation
- Short term Courses/workshops will be Organized just before and after the Conference. Details will be available after 15th March 2015
- Best Paper Award will be given for both Oral and Poster Presentation
- Site seeing will be arranged for Interested Participants

Confirmed Keynote Speakers

Prof. J.S. Rao, (IIT Delhi Retd.) India Prof. E. J. Sapountzakis, Greece Prof. Y.F. Xing, China Prof. Giuseppe Rega, Italy Prof. Walter V. Wedig, Germany Prof. Pedro Ribeiro, Portugal Prof. Bertold Kirchgäßner, Germany Prof. S. Narayanan, IIT Madras, India Prof. R. Bhattacharya, IIT Kharagpur, India Prof. A Mohanty, IIT Kharagpur, India Prof. S. Kapuria, IIT Delhi, India Prof. N. Chandiramani, IIT Bombay, India Prof. M. Ray, IIT Kharagpur, India Prof. P. Chandramouli, IIT Madras, India Prof. S. K. Maity, IIT Bombay, India Prof. K. Gupta, IIT Delhi, India Prof. Jaromir Horacek, Czech Republic Prof. Cheng Li, China Prof. Zaihua Wang, China Prof. Esin Inan, Turkey Prof. A. S. Sekhar, IIT Madras, India Prof. Marina V. Shitikova, Russia Prof. N. Sri Namachchivaya, USA Prof. Stefano Lenci, Italy Prof. P. Biswas, India

Accommodation near Conference Venue:

(i) Guest House and Hostels, IIT Guwahati (ii) Hotels, Guwahati City, (Own expenses)

Sponserships

The conference provides a suitable platform to industries, academia and other organizations to sponsor the event and showcase their products to international and national delegates for promoting them. It also creates an ambience to interact with engineers, scientists, academic fraternity, and students. The contribution will be acknowledged at suitable places.

Sponsorship	Indian	Overseas
Platinum sponsor	Rs. 500000/-	\$ 15000
Diamond sponsor	Rs. 400000/-	\$ 12000
Golden sponsor	Rs. 300000/-	\$ 9000
Silver sponsor	Rs. 200000/-	\$ 5000
Sponsor for lunch/dinner	Rs. 100000/-	\$ 2500
Cultural program sponsor	Rs. 75000/-	\$ 2000
Product Promotion stall	Rs. 25000/-	\$ 1000

About IIT Guwahati

The conference venue is Indian Institute of Technology Guwahati. The campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 kilometers from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on otherside, the campus provides an ideal setting for learning. The institute has all required facilities like health center, students' hostels, faculty and staff quarters, guest house, library, computer center, sports facilities, canteens etc. There are few good hospitals in Guwahati city that are located at about 20 kilometers from the institute. The Guwahati city is well connected to all major cities like Chennai, Kolkata, New Delhi, Mumbai, Bangalore and other metro cities through air, road, and rail. The institute is located at about 20 kilometers from airport and railway station. The weather is generally cold in December reaching 5-10°C during night time. It is worth visiting tourist places like Shillong, Cherrapunji, Kaziranga while visiting Guwahati.



Attractions

- □ Shillong, http://www.megtuorism.gov.in/shillong-circuit.html/
- Cherrapunji, <u>http://www.megtuorism.gov.in/</u>
- □ Kaziranga, <u>http://www.assamtourism.gov.in/</u>

Alfresco: <u>http://www.alfrescogrand.com/</u>

Travel Information:

http://www.iitg.ac.in/visitorsinfo

Conference Website: <u>http://www.iitg.ernet.in/icovp15</u> Conference Email: <u>icovp15@iitg.ernet.in</u>

Conference Contact:

Prof. Santosha K. Dwivedy

Dept. of Mechanical Engineering, IIT Guwahati Email: <u>dwivedy@iitg.ernet.in</u> , Phone: +91 (361) 2582670 **Prof. R. Tiwari**

Dept. of Mechanical Engineering, IIT Guwahati

Registration form

- 1. Name (in block letters):
- 2. Designation:
- 3. Organization:
- 4. Paper title:
- 5. Paper number:
- 6. Address for Correspondence:

	City:	·	State:	
	Country:		_ Zip Code:	
	Phone:		_ Mobile:	
	Fax:		E-mail:	
7.	Category of Regis			
8.	Registration fee:			
	(In words):			
9.	DD No:	_Date: _	Bar	nk:

Registration details

Delegates are requested to send the Demand drafts or multi-city cheques drawn in favour of "**ICOVP2015**" payable at Guwahati. One may pay the registration fee online the information of which will be available in the following website in due course of time. http://www.iitg.ernet.in/icovp15/REGISTRATION.html

The filled in registration form along with DD can be mailed to the following address:

Prof. S. K. Dwivedy,

Department of Mechanical Engineering, IIT Guwahati, Guwahati 781039, Assam, India. Email: <u>dwivedy@iitg.ernet.in</u> Phone: +91 (361) 2582670