

**INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY
ROORKEE - 247 667**

Ref: ISET/194th ECM/
Date: Feb. 27, 2020

Minutes of the 194th Executive Committee Meeting of the Indian Society of Earthquake Technology held on February 25, 2020 at 11:00 AM in the Board Room, Indian Institute of Technology Guwahati, Guwahati

Members Present

- | | |
|---|------------------------|
| 1. Prof. T.G. Sitharam | - President |
| 2. Prof. Vasant A. Matsagar | - Editor & E.C. Member |
| 3. Prof. A. Boominathan | - E.C. Member |
| 4. Prof. S.V. Dinesh | - EC Member |
| 5. Prof. S.K. Deb (Guwahati Local Chapter) | - Member |
| 6. Dr. Ravi Jakka | - Secretary |
| 7. Dr. Sreevalsa Kolathayar (WhatsApp online) | - E.C. Member |

Special Invitees

- | | |
|----------------------------|----------|
| 1. Prof. S.K. Thakkar | - Member |
| 2. Prof. Hemant B. Kaushik | - Member |

194.0 Prof. T.G. Sitharam, President ISET, welcomed all the members of the Executive Committee (E.C.) attending the 194th Executive Committee meeting, and the special invitees to the meeting.

194.1 The condolence messages on the sad/sudden demise of Prof. A.R. Chandrasekaran and Shri T.N. Gupta were presented before the E.C. One minute silence was observed.

194.2 The members confirmed the Minutes of the 193rd E.C. meeting held on November 11, 2019.

194.3 Report on the actions taken on the Minutes of the last E.C. meeting was presented by Dr. Ravi Jakka, Secretary and the same was noted by the E.C. members. E.C. members have taken further action on some of the items reported, which are given below:

In item 193.08: Executive Committee has reviewed the current status of the Journal. Prof. Vasant Matsagar, Editor of the ISET Journal has explained the difficulties in receiving quality publications. In this regard, E.C. has strongly recommended to hand over the publishing responsibility to any publishing agency such as Taylor & Francis and Springer. Prof. Matsagar has impressed upon the members, the issues related to the copyright transfer of the Journal to the publications agency. Committee members have deliberated upon the issues and concluded that copyrights can be transferred to the publisher. However, members of the Society should be allowed to freely access the Journal Volumes (Past, Current and Future). Prof Matsagar and Prof. Mittal were asked to finalize the deal with any of the reputed publishers, at the earliest.

In item 193.13: Members of the Steering Committee have met twice first on December 30, 2019 & second time on February 17, 2020 to deliberate on the bidding process for 18WCEE. They have also contacted an event organizer for evaluating possible Conference venue and obtained a quotation.

194.4 **Reporting Items:**

- a) General body meeting of the ISET Vellore Chapter was held on 21.09.2019 at VIT, Vellore. The following members were unanimously elected to the Managing Committee of the ISET Vellore Chapter.

Name	Members hip No.	Designation & Organisation	Elected as
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Dr. G.P. Ganapathy	LM 1655	Professor & Director, Centre for Disaster Mitigation and Management, Vellore Institute of Tech., Vellore	Chairman
Mr. Visuvasam. J	LM 1651	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Secretary
Dr. S.K. Sekar	LM 1639	Senior Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
Dr. S.S. Chandrasekaran	LM 1158	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
Dr. A.S. Santhi	LM 1641	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
Mr. Simon. J	LM 1652	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
Dr. G. Kesavan	LM 1662	Assistant Professor (III), SCSVMV University, Kanchipuram	Member
Mr. K. Balamurugan	LM 1666	Site Engineer, B&B Developers and Builders Pvt. Ltd., Vellore	Member

Activity report from 2016-2019 of ISET Vellore Chapter is given in **Annexure-I**.

- b) Obituary of Prof. A.R. Chandrasekaran has been sent to all the ISET members. The obituary is given in **Annexure-II** for your kind information.
- c) **ISET Journal:** The issue of March 2019, No. 1, Vol. 56 has been published recently. The soft copy has been sent to all ISET members. Similarly, the issues of 2019, No. 2, 3, & 4 are under process.

ISET News Letter: ISET News Letter for January 2020 is under process.

- d) The following persons have been enrolled as new Members during November 11, 2019 to February 24, 2020.

Annual Member:

AM 873 Er. Ashutosh Sharma Civil Engineer, Hapur

Since April 01, 2019, 09 Life Members and 1 Annual Member have been enrolled.

Financial Year	Individual Members		Life Fellows	Institution Members		Total	Membership Increased
	Life	Annual		Permanent	Annual		
2016-2017	1675	36	56	55	6	1826	50
2017-2018	1707	36	56	55	7	1859	33
2018-2019	1734	38	58	55	7	1890	31
2019-2020 (as on 24.02.2020)	1743	39	58	55	7	1900	10

Total Student Members: 83

- 194.5 The Annual Report of Secretary for ISET activities during the period December 21, 2018 to February 24, 2020 was presented. The E.C. members approved the Annual Report. The approved Annual Report is enclosed in **Annexure-III**.
- 194.6 Discussed the progress report on 7ICRAGEE presented by Dr. Ravi Jakka, Organizing Secretary, 7ICRAGEE. Invited lectures are divided into four categories: (1) Plenary & Keynote, (2) State of the Art and Practice (SoAPs), (3) Indian SoAPs, and (4) Special Lectures. 28 eminent foreign speakers agreed to deliver Keynotes & SoAPs, while 17 Eminent Indian Speakers are invited to deliver lectures on the State of Art & Practice in Indian Scenario (Indian SoAPs). Additionally, 30 Indian researchers are also invited to deliver Special Lectures. Online registration portal is created and delegates have already started registering. Personalized e-mails have been sent to the members of ISET and IGS, including faculty of IITs and NITs, as a result of which, a total of 430 submissions are received.

Sponsorship Prospectus has been prepared and sent to various private and government agencies. All the submissions are sent for reviewing. Tourism and Hotel information is updated. Hotel Sheraton Grand is approached and an MoU is signed. They are offering group rate to our Keynote Speakers & other participants. The E.C. has appreciated the various initiatives taken by the Organizing Secretaries & Chairman of 7ICRAGEE for improving the submissions. Detailed progress on the various aspects of the Conference is presented in **Annexure –IV**.

- 194.7 Executive Committee has deliberated on bidding for the 18WCEE. Members have considered the recommendations of Steering Committee constituted for preparing the bidding process (Minutes of 1st meeting of the Committee dated Dec. 30, 2019 and quotation received from the event organizer).

Prof. T.G. Sitharam has informed the members that a letter is written to Prime Minister for supporting the event. He has mentioned that letter has been forwarded to Ministry of Earth Sciences (MoES) for further action. In this regard, Prof. Sitharam has met Dr. B.K. Bansal, Head, Seismological Division, MoES. Based on the discussions with Dr. Bansal and Prof. Sitharam, committee has decided the following:

- To send a request letter to Minister, DST to provide support for bidding 18WCEE.
- To write a letter to Secretary, MoES to provide a supporting letter for bidding 18WCEE.
- Executive Committee has discussed the suitable location for holding 18WCEE and decided to hold it in Expo Centre Greater Noida, as it has sufficient facilities to host 10 thousand delegates.

E.C. has authorized the President and members of Steering Committee to proceed with bidding preparations. President and Committee have authorized to take advance upto Rs. 5 to 6 Lakhs, based on the need till some funding is received from the Ministry. E.C. has also approved to use additional fund upto 5 Lakhs over and above the funding received to meet the short falls if any.

- 194.8 Considered the issue of dates and speaker of holding the next 50th Annual General Meeting (AGM) and 41st ISET Annual Lecture. It was resolved that the Annual General Meeting & Annual Lecture shall be held on **13th July 2020** during 7ICRAGEE. The E.C. resolved that the 41st ISET Annual Lecture be delivered by Prof. I.M. Idriess, Professor Emeritus, University of California at Davis, USA. The tentative schedules are given below:

195th EC meeting (12.07.2020, evening or 13.07.2020, morning at 10:00 AM)

41st ISET Annual Lecture (13.07.2020, afternoon)

50th Annual General Meeting (13.7.2020, evening)

- 194.9 E.C. Committee discussed the Bye-laws of the existing awards constituted before Dec. 2018. Resolved that the following clause shall be added to the Bye-laws as per the details below.

“If requested by a donor of an earlier award constituted before Dec. 21, 2018, the new rules can be extended to the older awards. However, donor has to contribute 35% of the current award corpus (i.e award corpus on the date of conversion to new rules) towards ISET corpus.

The matter has been referred to today’s General Body for its approval.

- 194.10 The committee has discussed the issues related to the submission of the Utilization Certificate to DST. Executive Committee has authorized the Editors and Secretary to take appropriate decision in this regard.

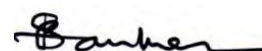
- 194.11 Any other item:

- Request for House rent allowance of ISET Office Staff has been discussed. Executive Committee has recommended to give the House rent allowance @ 8% of the salary to the staff.

The meeting ended with a vote of thanks to the Chair.



(Prof. T.G. Sitharam)
President, ISET



(Dr. Ravi S. Jakka)
Secretary, ISET



INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY VELLORE CHAPTER

ACTIVITY REPORT 2016 - 2019

Formation of Indian Society of Earthquake Technology, Vellore Chapter

By the initiatives of Vellore Institute of Technology (VIT), Vellore, Indian Society of Earthquake Technology (ISET), Vellore Chapter was established in October 2016.

Managing committee (period of 2016 to 2019)

1. Dr. S K Sekar (LM1639), President, ISET, Vellore Chapter, Senior Professor, VIT Vellore
2. Mr. Simon J (LM1652), Secretary, ISET, Vellore Chapter, Assistant Professor, VIT Vellore

Formation of Indian Society of Earthquake Technology, VIT Student Chapter

Managing committee

1. Mr. Visuvasam J (LM1651), Chairman, ISET VIT Student Chapter, Assistant Professor, VIT Vellore
2. Mr. Iniyan Shampath C K (SM49), Convenor, ISET VIT Student Chapter, Masters Student, VIT Vellore
3. Mr. Nirmal Prasad G P (SM47), Secretary, ISET VIT Student Chapter, Masters Student, VIT Vellore

Collaborative activities jointly by Indian Society of Earthquake Technology, Vellore Chapter and Indian Society of Earthquake Technology, VIT Student Chapter has served as a platform for active participation of students, faculty and practicing engineers in sharing the knowledge and resources.

Following are in the activities organized from 2016 to 2019

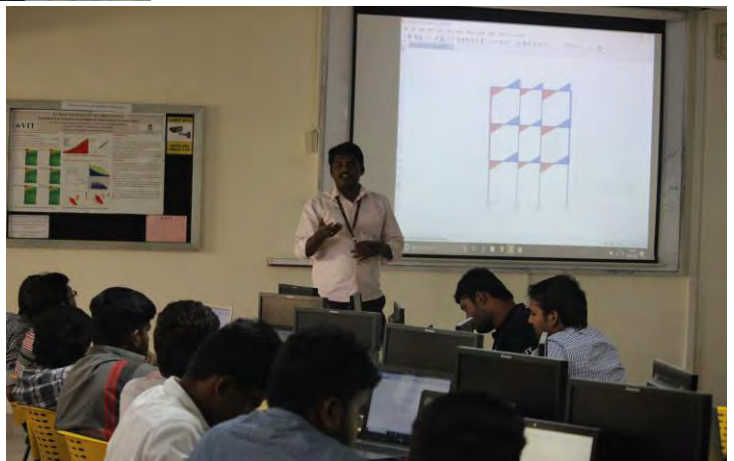
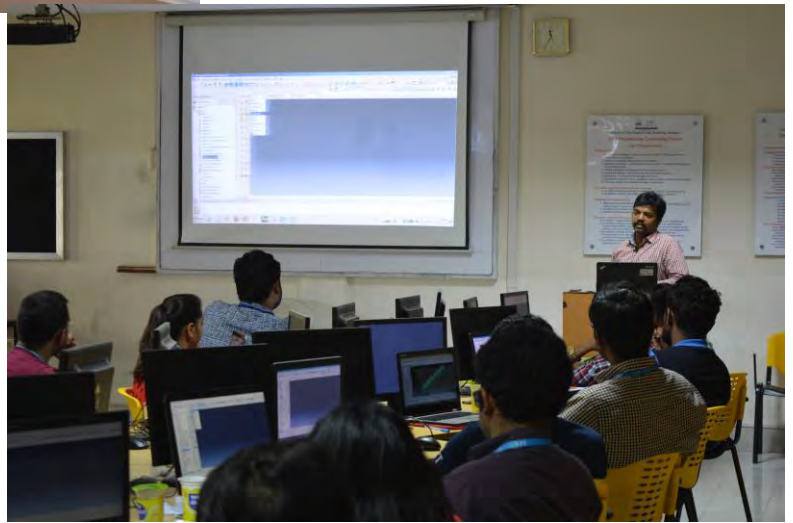
- General body meeting ISET, Vellore Chapter - 23.11.2016 at VIT, Vellore
- Inauguration of Indian Society of Earthquake Technology, Vellore Chapter (inaugurated by Chief Guest, Dr. Ajay Chourasia, *Principal Scientist & Associate Professor, AcSIR, CSIR-CBRI, Roorkee*) - 17.02.2017 at VIT, Vellore
- A one day national seminar on 'Earthquake Engineering' (Speakers, Dr. Ajay Chourasia, *Principal Scientist, CSIR-CBRI, Roorkee*, Dr. S K Sekar, *Dean, School of Civil and Chemical Engineering, VIT, Vellore* and Dr. G P Ganapathy, *Director, Centre for Disaster Mitigation and Management, VIT, Vellore*) - 17.02.2017 at VIT, Vellore

- Formation of Indian Society of Earthquake Technology, VIT Student Chapter - March 2017 at VIT, Vellore
- Hands-on training on 'Basic modeling and analysis using Abaqus for civil engineering applications' - 23.09.2017 at VIT, Vellore
- Sturdy-A-Thon, a hands-on event on structural dynamics - 23.09.2017 at VIT, Vellore
- General body meeting ISET, Vellore Chapter - 23.09.2017 at VIT, Vellore
- Workshop on ETABS and SAP2000, an event on earthquake analysis - 24.02.2018 at VIT, Vellore
- Workshop on 'Abaqus for Civil Engineering Applications' - 17.03.2018 at VIT, Vellore
- Workshop on 'Earthquake Resistant Design of Structures IS 1893:2016 & IS 13920:2016' (by Dr. S R Satish Kumar, *Professor, Department of Civil Engineering, IIT, Madras*) - 24.03.2018 at VIT, Vellore
- Workshop on 'ETABS, an event on earthquake analysis' - 04.08.2018 at VIT, Vellore
- Workshop on 'SAP2000, an event on earthquake analysis' - 04.08.2018 at VIT, Vellore
- General body meeting ISET, Vellore Chapter - 04.08.2018 at VIT, Vellore
- Workshop on 'Earthquake Hazards Risk and Mitigation, Advances in Geotechnical Earthquake Engineering' (Speakers, Dr. S S Chandrasekaran, *Professor, School of Civil Engineering, VIT, Vellore*, Dr. G P Ganapathy, *Director, Centre for Disaster Mitigation and Management, VIT, Vellore*, Dr. M Muthukumar, *Associate Professor, School of Civil Engineering, VIT, Vellore* and Dr. Sreevalsa Kolathayar, *Associate Professor, School of Civil Engineering, VIT, Vellore*) - 22.03.2019 at VIT, Vellore
- Invited talk on Construction Practices in Nepal and Earthquake safety (by Dr. Prachand Manu Pradhan, *Associate Professor, Department of Civil Engineering, Katmandu University, Nepal*) - 21.09.2019 at VIT, Vellore
- General body meeting ISET, Vellore Chapter - 21.09.2019 at VIT, Vellore

New Board - Indian Society of Earthquake Technology, Vellore Chapter

ISET, Vellore Chapter is functioning under the new elected managing committee from January 2020 and will remain till January 2022.

S.No.	Name	Membership No.	Designation & Organisation	Elected as
1	Dr.G.P.Ganapathy	LM1655	Professor & Director, Centre for Disaster Mitigation and Management, Vellore Institute of Technology, Vellore	Chairman
2	Mr.Visuvasam.J	LM1651	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Secretary
3	Dr.S.K.Sekar	LM1639	Senior Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
4	Dr.S.S.Chandrasekaran	LM1158	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
5	Dr.A.S.Santhi	LM1641	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
6	Mr.Simon.J	LM1652	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
7	Dr.G.Kesavan	LM1662	Assistant Professor (III), SCSVMV University, Kanchipuram	Member
8	Mr.K.Balamurugan	LM1666	Site Engineer, B&B Developers and Builders Pvt. Ltd., Vellore	Member



OBITUARY



Professor A.R. Chandrasekaran
(22nd December 1935 - 9th November 2019)

Prof. A.R. Chandrasekaran, the founder Secretary and former President of the Indian Society of Earthquake Technology left for his heavenly abode on 9th November, 2019.

Prof. A.R. Chandrasekaran, popularly known as Prof. ARC (on the Structural Engineering Forum of India (SEFI) web portal) was born on 22nd December 1935 at Chennai, Tamil Nadu. He joined the University of Roorkee in 1957 as a Lecturer and retired in 1996 after making significant contributions in various fields. He was one of the founding faculty members of the erstwhile School of Research and Training in Earthquake Engineering (now 'Department of Earthquake Engineering') at the erstwhile University of Roorkee (now 'IIT Roorkee'). Under the guidance of Prof. Jai Krishna of the University of Roorkee, Prof. D.E. Hudson and Prof. G.W. Housner of the California Institute of Technology, Pasadena, he submitted his doctoral thesis in November 1963 and was awarded the first Ph.D. from the Department of Earthquake Engineering, IIT Roorkee in 1964. Besides being Dean Academics, University of Roorkee and founding member of the Indian National Academic of Engineering (INAE), he made special efforts during the seventies (1970s) in setting up the first Main Frame Computer DEC 2050 and Information Superhighway Facility in 1995 at IIT Roorkee.

His engagement as an UNESCO expert with the Institute of Earthquake Engineering and Engineering Seismology (IZIIS), Skopje in the erstwhile Yugoslavia (now 'Macedonia') during 1970-76 stands as a testament to his academic and research capabilities. He was a key member of the expert team which conducted a detailed study of the Koyna Dam after the Koyna Earthquake, December 11, 1967. Also, he designed and fabricated the first Strong Motion Seismograph under INSMIN project of DST, New Delhi in 1976. His design was approved and seismographs were mass produced which were later installed in Bihar, the then UP hills (now Uttarakhand), Himachal Pradesh and the North East.

Prof. Chandrasekaran was instrumental in the establishment and growth of ISET. He was party to the discussions in which the Society's name was proposed to have the neutral word 'Technology', instead of Engineering or Science, to remain neutral and involve everyone interested in mitigating earthquakes, in the Society's activities. He served as the society's founder Secretary during 1962-65, its Vice-President during 1975-76, and its President during 1993-95. He was the Editor of the ISET Journal during 1970-73. He delivered the 9th ISET Annual Lecture titled 'Strong Motion Array and Ground Motion Characteristics of Shillong Region'. He was a member of the publication sub-committee when ISET organized the Sixth World Conference on Earthquake Engineering in New Delhi, in 1977. He co-authored the popular book titled 'Elements of Earthquake Engineering' which introduced many among the current generation senior level Indian Earthquake experts to Earthquake Engineering.

Prof. T.G. Sitharam
President, ISET &
Director, IIT Guwahati

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY, ROORKEE
ANNUAL REPORT

(For the period from December 21, 2018 to February 24, 2020)

Dear Members,

It gives me immense pleasure in presenting the Annual Report of the Indian Society of Earthquake Technology for the period December 20, 2018 to February 24, 2020. The salient activities of the Society during this period are presented in this Annual Report.

1. Meetings

The last Annual General Body Meeting (48th AGM) of the Society was held at Roorkee on December 21, 2018, minutes of which were published in the ISET Newsletter of January – October 2019.

During the period of the report, three Executive Committee Meetings (ECM) were held as detailed below:

Meeting No.	Date	Venue
191 st ECM	December 21, 2018	Roorkee
192 nd ECM	April 10, 2019	Roorkee
193 rd ECM	November 11, 2019	Roorkee

2. Audit Report

The accounts of the Society for the financial year 2018-2019 have been audited by Vikas Khanna & Co., Chartered Accountants, Roorkee. The E.C. in its meeting held on **November 11, 2019** has approved the audit reports. It may be noted that in this financial year, the **total capital fund** of the Society has significantly **increased from Rs. 79,43,037.00 to Rs. 1,11,60,946.00**.

3. ISET Annual Lecture

The 39th ISET Annual Lecture was delivered by Prof. Ross W. Boulanger, Dept. of Civil and Environmental Engg., University of California, Davis on ‘Analyses of Liquefaction Effects for an Interbedded Soil Deposit: Çark Canal in the 1999 M7.5 Kocaeli Earthquake’, on December 21, 2018 at Roorkee.

4. Election of ISET E.C. for the term 2019-2021

A Committee with Prof. J.P. Narayan (LM-973) as its Convener, and Dr. S.C. Gupta (LM 459) & Sri S.K. Singh (LM 957) as its members has been formed to supervise the election of various office bearers and members of the ISET Executive Committee for the term 2019-2021. The Secretary, ISET had invited the nominations in this regard (vide letter No. ISET/Election/2019-2021/ dated October 31, 2018). The following ISET members have been elected unopposed for various posts of the ISET Executive Committee for the term 2019-2021:

President	:	1. Prof. T.G. Sitharam	LF 55
Vice-President	:	1. Prof. B.K. Maheshwari	LF 46
Secretary	:	1. Dr. Ravi S. Jakka	LM 1509
Members	:	1. Prof. Satyendra Mittal	LM 380
		2. Prof. M.N. Hegde	LM 907
		3. Dr. A. Murali Krishna	LM 1477
		4. Prof. A. Boominathan	LM 971
		5. Dr. Jagdish Prasad Sahoo	LM 1722
		6. Dr. Rajib Sarkar	LM 1354
		7. Prof. Vasant Annasaheb Matsagar	LM 1270
		8. Dr. A.S. Senthil Vadivel	LM 1664

We thank Prof. J.P. Narayan (LM-0973), Convener, and Dr. S.C. Gupta (LM 0459) & Sri S.K. Singh (LM 0957), members of the ISET Election Committee for their efforts for smoothly completing the whole electoral process.

The Executive Committee in its meeting held on April 10, 2019, nominated the following for the positions of Co-opted members, Editor, Co-Editor and Institutional members for the term 2019-2021.

Co-opted Members:

- Dr. Sushil Gupta (LF 57), Assistant Vice President, Risk Modeling and Insurance, RMSI, Noida
- Prof. S.V. Dinesh (LM 1288), Prof., Dept. of Civil Engg., Siddaganga Institute of Tech., Tumkur
- Dr. Sreevalsa Kolathayar (LM 1623), Assistant Professor, NIT Suratkal.
- Dr. Daya Shanker (LM 879), Associate Professor, Dept. of Earthquake Engg., IIT Roorkee

Editors:

Prof. Vasant Annasaheb Matsagar
Dogra Chair Professor
Department of Civil Engineering
Indian Institute of Technology (IIT) Delhi
Hauz Khas, New Delhi - 110 016, India.

Prof. Satyendra Mittal
Professor
Department of Civil Engineering
Indian Institute of Technology (IIT)
Roorkee, Roorkee - 247 667,

Co-editor: Dr. P.K.S. Chauhan, Principal Scientist, CSIR- CBRI, Roorkee

Institutional Members:

IM-41(P)
Dr. Ajay Chourasia
Principal Scientist & Associate Prof. (AcSIR)
Incharge, Building Dynamic Laboratory
Structural Engineering Group
CSIR-Central Building Research Institute
Roorkee – 247 667

IM 68 (P)
Prof. Santosh Kapuria
Director
CSIR-Structural Engineering Research
Centre, CSIR Campus, CSIR Road,
Taramani, Chennai-600 113, Tamilnadu

5. Publications

ISET Journal: The combined issue of March-December 2018, Vol. 55 and March 2019, Vol. 56, No. 1 have been published recently. Soft copies have been sent to all the ISET Members. Similarly, the issue of March 2019, Vol. 56, No. 2, 3 & 4 is under process.

ISET News Letter: ISET News Letter of January - October 2019 has been published recently.

Call for the contributions to a Special Commemorative Issue in the honour of the late Prof. Anand Swarup Arya on “**Seismic Vulnerability and Strengthening of Masonry Structures**” in the ISET Journal has been sent to all members of the Society.

6. Membership

Since April 01, 2019, 09 Life Members and 1 Annual Member have been enrolled.

Financial Year	Individual Members		Life Fellow s	Institution Members		Total	Membership Increased
	Life	Annual		Permane nt	Annual		
2016-2017	1675	36	56	55	6	1826	50
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Total Student Members: 83

7. Prof. Shamsheer Prakash Distinguished lecture series

1st Prof. Shamsheer Prakash Distinguished lecture shall be delivered on 13th July 2020, at the Indian Institute of Science (IISc), Bangalore during the Seventh International Conference on Recent Advances in Geotechnical Earthquake Engineering & Soil Dynamics (7th ICORAGEE), as part of the Soil Dynamics Forums flagship event ICORAGEE.

8. ISET T.G. Sitharam Research Award for the Best Ph.D Thesis

The E.C. in its meeting held on November 11, 2019 has approved the institution of the quadrennial (4-yearly) award: “**ISET T.G. Sitharam Research Award for the Best Ph.D Thesis in Innovations in Geotechnical Earthquake Engineering**”. The award consists of an award money of INR 30,000/-, and a Citation. The name of the award shall be “**ISET T.G. Sitharam Research Award for the Best Ph.D Thesis in Innovations in Geotechnical Earthquake Engineering**”. Awards will be given during the 17th Symposium of Earthquake Engineering likely to be held in December 2022 at Roorkee.

For the constitution of this award, an amount of Rs. 2,20,000/- was received from Dr. Sreevalsa Kolathayar, Assistant Professor, National Institute of Technology Suratkal, on behalf of the past & present students of Prof. T.G. Sitharam,

9. Establishment of Soil Dynamics Forum

Soil Dynamics Forum has been established in the last Annual General meeting. Afterwards, Managing Committee is elected by the members of the forum. The webpage of Soil Dynamics Forum has also been created on ISET website with the following content.

Soil Dynamics Forum

To take care of and enhance the activities of ISET in the area of Soil Dynamics, a dedicated forum named ‘Soil Dynamics Forum’ is established within ISET for the promotion of Soil Dynamics, on December 21, 2018 with the generous financial support received from Prof. Shamsheer Prakash.

The main aim of the forum is to promote the dissemination of recent advances and activities in the area of soil dynamics within India and around the world. This is being achieved through involving large number of Indian and Foreign professionals in various activities related to soil dynamics. Forum has been trying to proliferate the dissemination of the knowledge of geotechnical earthquake engineering and other allied fields by organizing short courses, conferences, and workshops.

Current and future activities of the Forum

- To look after the activities of ISET in the area of Soil Dynamics.
- To promote the activities in the area of Soil Dynamics at Pan-India level.
- To encourage faculty at various institutes to organize Conferences, Workshops, Expert lectures and Training programmes on behalf of Soil Dynamics Forum, ISET.
- To attract funding for organizing various events of the Forum by approaching State Governments/AICTE/DST or Industries.
- To organize the quadrennial (4-yearly) International Conference on “Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (ICORAGEE)”. Missouri University of Science and Technology organized this conference in 1981, 1991, 1995, 2001, and 2010. All these conferences were chaired by Shamsheer Prakash. Prof. Prakash has transferred the responsibility of organizing this conference to Soil Dynamics Forum, ISET. For the first time, this international conference was organized in India at IIT Roorkee Extension Centre, Greater Noida during 3-5 August, 2016. ICORAGEE is being organized at IISc Bangalore during 13-16 July, 2020 under the chairmanship of Prof. TG Sitharam, Director, IIT Guwahati.
- To organize national workshops on liquefaction, Seismic Site Characterization, Ground Response Analysis & Local Site Effects, Landslides, Embankment Dams, Soil Structure Interaction, Retaining walls, etc. Soil Dynamics Forum has organized a Two-day national workshop on liquefaction during 27-28 Nov. 2015. Dr. Ravi S. Jakka has coordinated this workshop. Over 90 delegates have attended this workshop. Fourteen keynote lectures were delivered by eminent personalities from different IITs as well as industry, in the

field of Geotechnical Earthquake Engineering on the State-of-Art Practices as well as latest developments on various aspects of liquefaction. Similar workshops will be organized in future.

- To organize short term courses on Soil Dynamics at regular intervals. It is proposed that IITs and possibly some other Institutes may actively involve in conducting these courses.
- Faculty exchange programmes may be established for the promotion of soil dynamics at several IITs, NITs, and other practicing institutions.
- Symposia and brain-storming sessions on specific agenda concerned with research in soil dynamics would be organized. Professionals in the areas of Geotechnical Engineering, Geophysics, Structural Engineering, and Earth sciences may be invited.
- To establish an OVERSEAS Committee to advise and participate in selected activities.
- To develop teaching materials on state-of-the-art practices and latest developments in various topics related to Geotechnical Earthquake Engineering and Soil Dynamics.
- Online short courses and Webinars by Researchers from India and overseas may also be organized.

Further Information Available at the Forum's Webpage:

- **ICRAGEE Conference History**
- **Link to ICRAGEE**
- **Office bearers**
- **ISET Bye-Laws: Clause XII-Soil Dynamics Forum**
- **Membership Invitation (A message from Prof. Shamsher Prakash)**
- **List of Existing Members**
- **Membership Registration**
- **Donor's details**

10. Executive Committee has appointed new Forums

Names of Chairmen and Conveners of the various Forums are given below:

Structural Dynamics Forum

Chairman : Prof. Sajal K. Deb, IIT Guwahati
Convener : Prof. Vasant A Matsagar, IIT Delhi

Seismology and Seismotectonics Forum

Chairman : Prof. H.R. Wason, IIT Roorkee
Convener : Dr. Abhishek Kumar, IIT Guwahati

Earthquake Awareness and Preparedness Forum

Chairman: : Dr. Ajay Chourasia, CBRI, Roorkee
Convener: : Prof. Hemant Kaushik, IIT Guwahati

11. Obituaries

Obituary of Prof. A.S. Arya has been uploaded on the ISET website and printed in the ISET Newsletter. Photographs of Prof. A.S. Arya are uploaded on the ISET website. A summary on the life and works of the Late Prof. A.S. Arya has been prepared in consultation with Prof. S.K. Thakkar.

Obituary of Prof. A.R. Chandrasekaran has been prepared and sent to all ISET members.

12. ISET Website Portal

After constant follow-up and communication with the bank authorities, the online payment gateway is now fully functional. Users can now pay the membership fee and publication price through Debit Card, Credit Card and Net banking. Publications search portal has been created and it is now working satisfactorily. Latest News and Event information has been uploaded

from time to time on ISET portal by the ISET secretariat. The ISET website has also been brought under the secure https protocol.

13. 7th ICORAGEE

After the last Annual General meeting, lot of work has been carried out for 7ICORAGEE. Invited lectures are divided into four categories: (1) Plenary & Keynote, (2) State of the Art and Practice (SOAPs), (3) Indian SOAPs, and (4) Special Lectures. 28 eminent foreign speakers are delivering Keynotes & SOAPs, while 17 Eminent Indian Speakers are invited to deliver lectures on the State of Art & Practice in Indian Scenario (Indian SoAPs). Additionally, 30 Indian researchers are also invited to deliver Special Lectures. Online registration portal is created and delegates have already started registering. Personalized e-mails have been sent to the members of ISET and IGS including faculty of IITs and NITs as a result of which, a total of 430 submissions are received. Sponsorship Prospectus has been prepared and sent to various private and government agencies. All the submissions are sent for reviewing. Tourism and Hotel information is updated. Hotel Sheraton Grand is approached and an MoU is signed. They are offering group rate to our Keynote Speakers & other participants.

14. Membership Fee

The Society received a sum of Rs. 1,60,000/- in the financial year 2018-2019 in the form of fee for various categories of membership of the Society.

15. Activities of Local Chapters

• Roorkee Chapter

Roorkee Chapter organized and supported the following workshops and lectures at the Department of Earthquake Engineering, IIT Roorkee, Roorkee.

1. The lecture on “Earthquake Resistant Design of Masonry Building - The State of Art” was delivered at Roorkee on May 9th, 2019 by Dr. Svetlana Brzev, Adjunct Professor, University of British Columbia, Vancouver, Canada.
2. International Seminar on “Performance Based design of Buildings & Bridges for Enhanced Seismic Resilience” was organized at Indian Association of Structural Engineers, New Delhi during 08-09 November, 2019.
3. One day workshop titled “Strong Motion Studies and Selection of Ground Motions for Non-Linear Time History Analysis” was organized on 16th December, 2019. The inaugural lecture of “Hudson Memorial Lecture Series” entitled “D.E. Hudson: An Opus in Experimental Earthquake Engineering” was also delivered at Roorkee on 16th December, 2019 by Prof Mihailo Trifunac, USA. Lecture manuscript was published in ISET Journal.

• Vellore Roorkee Chapter

Collaborative activities jointly by Indian Society of Earthquake Technology, Vellore Chapter and Indian Society of Earthquake Technology, VIT Student Chapter has served as a platform for active participation of students, faculty and practicing engineers in sharing the knowledge and resources. Following are the activities organized from Dec. 2018 to Feb. 2019.

- Workshop on ‘Earthquake Hazards Risk and Mitigation, Advances in Geotechnical Earthquake Engineering’ (Speakers, Dr. S S Chandrasekaran, Professor, School of Civil Engineering, VIT, Vellore, Dr. G P Ganapathy, Director, Centre for Disaster Mitigation and Management, VIT, Vellore, Dr. M Muthukumar, Associate Professor, School of Civil Engineering, VIT, Vellore and Dr. Sreevalsa Kolathayar, Associate Professor, School of Civil Engineering, VIT, Vellore) - 22.03.2019 at VIT, Vellore
- Invited talk on Construction Practices in Nepal and Earthquake safety (by Dr. Prachand Manu Pradhan, Associate Professor, Department of Civil Engineering, Katmandu University, Nepal) - 21.09.2019 at VIT, Vellore
- General body meeting ISET, Vellore Chapter - 21.09.2019 at VIT, Vellore

New Board - Indian Society of Earthquake Technology, Vellore Chapter

ISET, Vellore Chapter is functioning under the new elected managing committee from January 2020 and will remain till January 2022.

S.No	Name	Membership No.	Designation & Organisation	Elected as
1	Dr. G.P. Ganapathy	LM1655	Professor & Director, Centre for Disaster Mitigation and Management, Vellore Institute of Technology, Vellore	Chairman
2	Mr. Visuvasam.J	LM1651	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Secretary
3	Dr. S.K. Sekar	LM1639	Senior Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
4	Dr. S.S. Chandrasekaran	LM1158	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
5	Dr. A.S. Santhi	LM1641	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
6	Mr. Simon. J	LM1652	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
7	Dr. G. Kesavan	LM1662	Assistant Professor (III), SCSVMV University, Kanchipuram	Member
8	Mr. K. Balamurugan	LM1666	Site Engineer, B&B Developers and Builders Pvt. Ltd., Vellore	Member

16. Activities of Soil Dynamics Forum

1. National workshop entitled “Research Advances in Geotechnical Earthquake Engineering [RAGEE]-From Theory to Practice” was organized at Manipal University Jaipur (MUJ) on 15th February, 2019.
2. One day Workshop entitled “Earthquake Hazards, Risk and Mitigation (EHRM)” was organized at VIT Vellore, Vellore, Tamil Nadu on 22nd March, 2019.

17. Acknowledgements

The Society would like to thank the sponsors for their generous grants to support its activities. Society is also thankful to Head, Department of Earthquake Engineering, Indian Institute of Technology Roorkee; Head, Department of Civil Engineering & Director, Indian Institute of Technology Guwahati, and Chairman, Institution of Engineers (I), Roorkee Local Centre, Roorkee for extending the facilities required for the smooth functioning of the Society and carrying out its activities.

We are grateful to **Prof. S.K. Thakkar**, Former Professor, Department of Earthquake Engineering and Former Railway Bridge Chair, Indian Institute of Technology Roorkee for kindly accepting our invitation to deliver the 40th ISET Annual Lecture today on ‘**Indian Seismic Codes on Bridges: Challenges and Issues for Development**’. The Society is also thankful to the authors and reviewers of papers published in the ISET Journal and the members of the Editorial Committee. Sincere thanks are also placed on record to all individuals and organizations, who have helped the Society directly or indirectly in furtherance of its objectives.

In the end, I would like to thank all the members of the Executive Committee, in particular, Prof. T.G. Sitharam, President; Prof. B.K. Maheshwari, Vice-President; Prof. Vasant A. Matsagar & Prof. Satyendra Mittal, Editors; Dr. P.K.S. Chauhan, Co-Editor; Prof. Gopal Santana Phani Madabhushi, Prof. Subhamoy Bhattacharya, Dr. Anil C. Wijeyewickrema and Dr. Sujith Mangalathu Associate Editors, who were always willing to help and advise me in carrying out my responsibilities as the Secretary of the Society. Thanks are also due to all the E.C. members, Chairmen/Secretaries of ISET Local Chapters for their suggestions. Also, I would like to thank the staff members of ISET Office, particularly Mr. Pawan Kumar for working hard for the Society.

Roorkee
February 24, 2020

Dr. Ravi S. Jakka
Secretary, ISET

Progress on

7th Int. Conf. on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (7ICRAGEE)

Conference Date: July 13-16, 2020

Conference Venue: IISc Bangalore

- Brochure and conference website have been updated with speakers' information. Conference schedule, tourism and hotel information are also added to the conference website.
- OCS (Online conference service) of Springer has been configured to receive the contributions (abstracts and full length papers).
- Sample templates and guidelines were prepared and uploaded over the conference website.
- Abstract deadline was extended to receive more submissions. The following measures have been taken to improve the submissions.
 - **Personalized e-mails** have been sent to the members of ISET and IGS including faculty of IITs and NITs.
 - The **Conference Poster** has been prepared and hard copies have been dispatched to various academic and research institutions.
 - **Flyers** were prepared and published in IGS and ISET newsletters.
 - **Contacted ISSMGE, IAEE, NICEE** and other national and international societies to advertise about the 7ICRAGEE.
 - Several other measures have been taken to improve the submissions such as introducing new additional themes and **announcing best paper awards**.
- As a result of the various efforts made, a total of 395 **abstracts** were received.
- All the **abstracts** have been reviewed and **acceptance notifications** have been sent to the authors.
- For attracting sponsorship, **Sponsorship Prospectus** has been prepared.
- Keynote & SOAP speakers were contacted to submit their contributions.
- Formal Conference proposal is submitted to IISc for the approval.

- Passport information is collected from the Foreign Speakers and submitted to IISc for the further process.
- 17 Eminent Indian Speakers are invited to deliver lectures on the State of Art & Practice in Indian **Scenario** (Indian SoAPs).
- 30 Indian researchers are also invited to deliver Special Lectures.
- Online registration portal is created and delegates have already started registering.
- A total of 430 submission are received under the following different categories:
 - ❖ Technical Paper Oral – 365
 - ❖ Technical paper Poster - 13
 - ❖ Only Extended Abstract Poster – 9
 - ❖ Only abstract without poster – 40
- Sponsorship Prospectus have been prepared and which efforts are also being made for sponsorship to various private and government agencies.
- All the submissions are sent for reviewing.
- Tourism and Hotel information is updated.
- Hotel Sheraton Grand is approached and an MoU is signed. They are offering group rate to our Keynote Speakers & other participants.