

1st ISET Webinar Series

ISET has been organized the 1st Lecture of ISET Webinar Series. **Prof. Vasant Matsagar**, Editor, ISET Journal & Professor in Civil Engg. Dept., IIT Delhi has delivered the lecture entitled on ‘**Earthquake Engineering & Technology**’ on May 09, 2020. While more than 450 people have registered, around 360 have participated in the



The poster features the ISET logo at the top left, with the text 'INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY' and 'Established in 1982, Founding Member of the International Association for Earthquake Engineering'. Below this, it says 'ISET WEBINAR SERIES' and 'Earthquake Engineering & Technology' in large, bold letters. The date and time are 'MAY 9th Sat, 2020 • 11 am to 12.30 pm'. A blue banner at the bottom left contains the speaker's name 'Dr. Vasant Matsagar' and 'IIT Delhi'. A circular portrait of the speaker is on the right. A yellow 'REGISTER NOW' button is at the bottom left, with the URL 'shorturl.at/aqvwo'. At the bottom, it says 'For queries, write to sreevalsa@nitk.edu.in'.

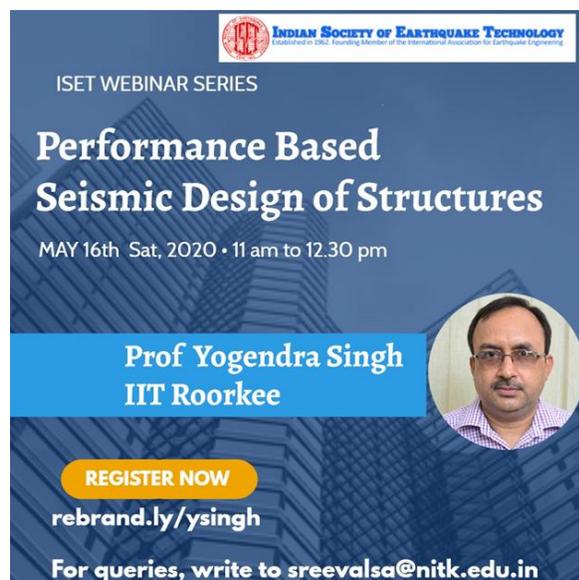
webinar. Through the webinar fee, over Rs. 40,000/- rupees have been collected towards the PMCARES fund. We heart fully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause. Brief details of the talk and speaker are given below:

Abstract of 1st ISET Webinar: This presentation will set the tone for the webinar series being conducted by the Indian Society of Earthquake Technology (ISET). The speaker will introduce the discipline and sub-disciplines, present various topics and sub-topics, talk about some essential fundamentals, and advancements being made in earthquake engineering and technology, in general.

About the Speaker: Professor Vasant Matsagar is currently serving as Dogra Chair Professor in the Department of Civil Engineering at Indian Institute of Technology (IIT) Delhi. His main area of research interest is multi-hazard protective structures from earthquake, wind, blast, and fire scenarios.

2nd ISET Webinar Series

ISET has been organized the 2nd Lecture of ISET Webinar Series. Prof. Yogendra Singh, Department of Earthquake Engineering, IIT Roorkee has delivered the lecture entitled on ‘Performance-Based Seismic Design of Structures’ on May 16, 2020. While more than 650 people have registered, around 500 have participated in the webinar. Through



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the webinar fee, around Rs. 40,000/- rupees have been collected towards the PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause. Brief details of the talk and speaker are given below:

Abstract of 2nd ISET Webinar: The last three decades have seen a paradigm shift in seismic design of structures. Propelled by the tremendous developments in estimation of seismic hazard and inelastic seismic response of structures, a new design approach, targeting multiple performance objectives has evolved. Contrary to the conventional force-based design approach, the performance-based design approach is a displacement-based approach and involves a rigorous nonlinear analysis of structures. This talk will introduce the researchers and designers to the developments which have taken place in these years, enabling a reliable estimation of the expected performance of the designed structures

About the Speaker: Professor Yogendra Singh is currently Railway Bridge Chair Professor at the Department of Earthquake Engineering, Indian Institute of Technology Roorkee. His interests include Performance-Based Seismic Design of Buildings and Bridges, Seismic Risk Estimation, Seismic Soil-Structure Interaction, and Earthquake Engineering in Hilly Regions.

3rd ISET Webinar Series

ISET has been organized the 3rd Lecture of ISET Webinar Series. Dr. S.K. Prasad, Professor of Civil Engineering (Retired), Sri Jayachamarajendra College of Engineering, Mysore has delivered the lecture entitled on 'Relevance of Site Effect in Earthquake Resistant Construction' on May 23, 2020. While more than 550 people have registered from over 15 countries, around 400 have participated in the webinar. Through the webinar fee, around Rs. 68,000/- rupees have been collected towards the PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.



The poster is for the 3rd ISET Webinar Series. It features a blue background with a white and yellow text box. At the top right is the ISET logo and the text 'INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY'. The main title is 'Relevance of Site Effect in Earthquake Resistant Construction'. Below the title, it says 'MAY 23, 2020 SAT, 11 AM' and 'REGISTER NOW!' in a yellow box. The speaker's name 'Prof. S. K. Prasad' is written below a circular portrait of him. At the bottom, it says 'rebrand.ly/skprasad' and 'For queries, write to sreevalsa@nitk.edu.in'.

Through the webinar fee, around Rs. 68,000/- rupees have been collected towards the PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.

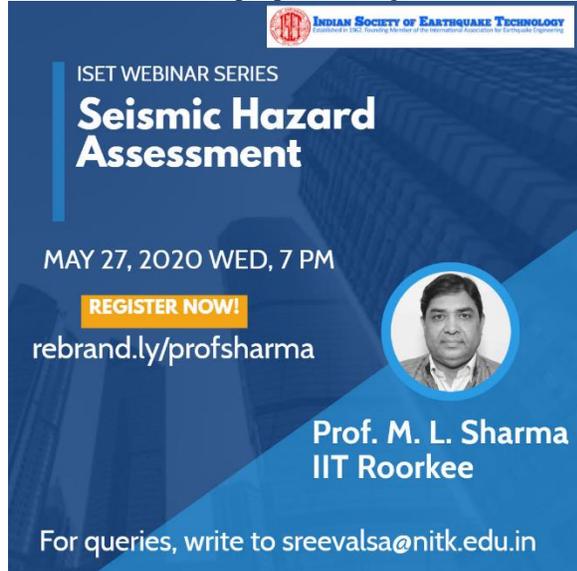
Abstract of 3rd ISET Webinar: It has been observed during the past earthquakes that some structures survive whereas some structures suffer serious damage at a site during earthquakes. It is the ground on which the structure is built that influences the performance of structures. Past earthquakes (Michiokan earthquake, 1985, Lomapieta earthquake, 1989, Hyogo ken Nanbu earthquake, 1995 and Gujarat earthquake, 2001 among many) have shown that unexpected level of shaking can happen at the ground surface influencing the performance of structures due to the presence of overburden soil. Site effect is the influence of overburden soil in changing the amplitude and frequency of earthquake motion when it reaches the ground surface. Many a times, soft

overburden soil will amplify the motion, induce resonance etc., causing damaging effect to built environment. This presentation explains the performance of structures during the above mentioned earthquakes and emphasizes that construction industry should take the note of amplification in ground motion in layered soil and near resonance effect in soft soil to predict the actual behavior of structures during earthquake. Layered soil, thickness of each layer, impedance ratio between layers, ground water table, types of structures, characteristics of ground motion etc., influence the amplification in ground motion.

About the Speaker: Prof. S.K. Prasad, retired as Professor in Civil Engineering at Sri Jayachamarajendra College of Engineering, Mysuru recently, is having over 35 years of teaching and research experience. He obtained his Bachelor degree in Civil Engineering from the University of Mysore securing First Rank in 1982, Master degree in Geotechnical Engineering from Indian Institute of Technology, Kanpur in 1985 and doctoral degree from University of Tokyo in Japan in 1996. He was a visiting Assistant Professor at Asian Institute of Technology, Thailand for January 2006 term. He has published over 160 technical papers in National and International Journals and conferences, guided over 70 Masters Dissertations and guided three doctoral students. He has completed several sponsored Research projects from JSSMFE, AICTE and DST. His areas of research interest are in earthquake geotechnical engineering and in performance based design.

4th ISET Webinar Series

ISET has been organized the 4th Lecture of ISET Webinar Series. Prof. M.L. Sharma, Department of Earthquake Engineering, I.I.T. Roorkee has delivered the lecture entitled on 'Seismic Hazard Assessment' on May 27, 2020. While more than 600 people have registered from over 10 countries including US, China, Pakistan, Egypt, around 384 have participated in the webinar. Through the webinar fee, around Rs. 50,000/- rupees have been collected towards the PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.

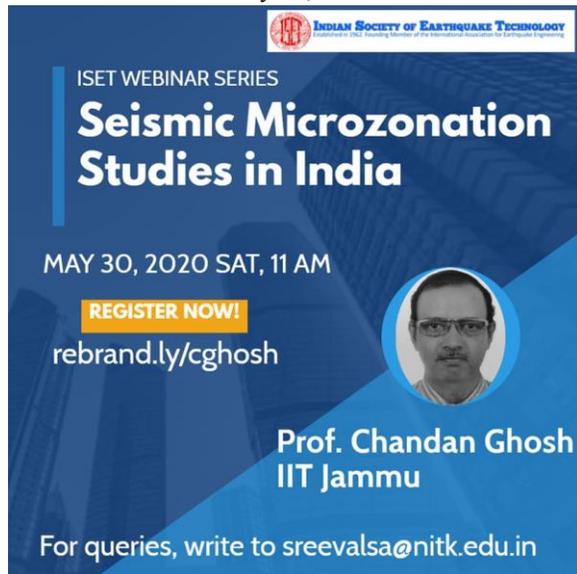


Abstract of 4th ISET Webinar: Seismic hazard assessment refers to estimation of some measure of strong earthquake ground motion expected to occur at a selected site. The seismic hazard assessment is generally performed using Deterministic or Probabilistic approach. While both approaches are in use, the progress and recent changes in engineering design philosophy and infrastructure development for sustainability and resilience, holistic approach is required for seismic hazard assessment. Present talk is about the classical approach vs the needed approach to fulfill the present day requirements by scientists, design engineers, architects and city planners.

About the Speaker: Prof. M. L. Sharma has served IIT Roorkee (erstwhile University of Roorkee) for more than 34 years as faculty in Earthquake Engineering. Being a seismic hazard and risk expert significant contributions have been made by developing many application tools, prediction models and online seismic hazard assessment system for India. He has been consultant to more than 400 mega engineering projects in India and abroad. He has published more than 250 research papers in journals and conferences, authored more than 500 technical reports and guided 31 PhDs (22 completed and 9 in progress). Prof Sharma was President of ISET during 2015-2019 and was awarded AS Arya Disaster Mitigation award in 2012.

5th ISET Webinar Series

ISET has been organized the 5th Lecture of ISET Webinar Series. Prof. Chandan Ghosh, Department of Civil Engineering, Indian Institute of Technology, Jammu has delivered the lecture entitled on 'Seismic Microzonation Studies in India' on May 30, 2020. While more than 550 people have registered, around 380 have participated in the webinar. Through the webinar and webinar series fee, around Rs. 2,00,000/- have been collected towards the PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.



Abstract of 5th ISET Webinar: Giving brief account of the Mexico (1985), Loma Prieta (1989), Bhuj (2001) earthquake damages followed up by Seismic Microzonation Act, USA (1991) and NHERP site classification, this presentation will highlight the importance of Seismic microzonation studies that took up in India after Jabalpur (1997) earthquake and subsequently several such Microzonation studies done for cities like Delhi, Bangalore, Sikkim, Chandigarh, Aizawl, Guwahati in project mode, which has recently being taken up by National Centre for Seismology (NCS), MoES for 29 cities falling in zone-IV & V. Structural safety and safety of the site itself that involve amplification, landsliding, subsidence, liquefaction are the salient features of

microzonation. Microzonation requires extensive inputs related to seismicity, attenuation of ground motion intensity, geology, geotechnical characteristics, local site effects and susceptibility of local soils to liquefaction. The importance of seismic microzonation and land use management planning is dependent on the effectiveness of implementation policy and enforcement of zone defined development controls. It is an effort to evaluate and map potential hazards found in an area, urban area in particular, that could be induced by strong ground shaking during an earthquake. The microzonation maps, depicting ground-motion amplification, liquefaction, and landslide potentials, can be produced if the ground motion on bedrock (input) and the site conditions are known.

About the Speaker: Chandan Ghosh, a Civil Engg. Graduate (1985) of Bengal Engineering College (presently Indian Inst. of Engg. Sc. & Technology, IIST), West Bengal, did his Master's degree in Civil (Geotechnical) Engineering (1987) from Jadavpur University, Calcutta, followed by 1st Ph.D. from IIT-Kanpur in 1992 and 2nd Doctorate Degree in 2004 from the Ibaraki University, Japan. After serving IT-BHU (1990-1998) Varanasi, Post Doctoral research in Japan (1998-2004), India Meteorological Department (2005-2006) and 13+plus years as Professor in National Institute of Disaster Management, MHA, GoI, Dr Ghosh is currently working as Professor of Civil Engineering, IIT-Jammu (on Deputation). He is also entrusted with the Dean of Students Welfare, IIT-Jammu, J&K. Prof. Ghosh works in the areas of earthquake geotechnology, Reinforced Earth, Seismic Microzonation, HYBRID drains for ground improvement, Geosynthetics for landslides mitigation. He has devoted more than 29 years of his career in UG & PG teaching, research guidance, development of teaching tools & training module for engineers, architects, town planners. He has guided 12 Master's, 1 PhD dissertation, published more than 125 papers in reputed journals, conference proceedings. As recognition to his seminal contributions, Dr Ghosh, currently member of State Disaster Management Authority, Tripura, received Leonard prize for the best doctoral thesis in 1993, CIDC-Vishwakarma Awards-2013, IGS-Shri H.C. Verma Golden Jubilee Award-2013, Lifetime achievement award-2019 (Indian Geotechnical Society-Delhi Chapter).

6th ISET Webinar Series

ISET has been organized the 6th Lecture of ISET Webinar Series. Prof. T.G. Sitharam, President, ISET and Director, IIT Guwahati has delivered the lecture entitled on 'Engineering Preparedness for Earthquake Disaster Mitigation' on June 03, 2020. While more than 650 people have registered, around 490+ have participated in the webinar. Through

The poster for the 6th ISET Webinar Series features a background of architectural drawings and a cityscape. At the top, it reads 'ISET WEBINAR SERIES'. The main title is 'Engineering Preparedness for Earthquake Disaster Mitigation'. Below the title, the date and time are listed: 'JUNE 3 WED, 2020' and '11 AM TO 12.30 PM'. A logo for '7CRAGEE' is visible. The speaker's name, 'Prof. T. G. Sitharam', is prominently displayed, along with his titles: 'Director IIT Guwahati' and 'President ISET'. A circular portrait of Prof. Sitharam is on the left, and the IIT Guwahati logo is on the right. At the bottom, registration information is provided: 'Register at rebrand.ly/tgs' and 'Email: sreevalsa@nitk.edu.in'.

the webinar and webinar series fee, around Rs. 5,00,000/- have been collected till now towards PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.

Abstract of 6th ISET Webinar: The presentation highlights the engineering preparedness in earthquake-prone areas of India, and come up with guidelines to empower the community to prepare themselves to face and manage the aftermath of an earthquake. The work presented here sheds new light on the action plans to be taken by the common public and public agencies, before, during, and after earthquakes to safeguard the lives of people and minimize loss of assets. The presentation lists the various methodologies for site characterization and site effect estimation to carry out seismic zonation at micro and macro levels. Particular attention is given to the various methodologies for assessing seismic hazards, the scales at

which site characterizations are carried out, and optimal methods for zonation practices using site data and hazard indexes. Aimed at students, this talk will be of use to post-graduates and doctoral students researching seismic zonation, hazard assessment and mitigation, and spatial data in earth sciences.

About the Speaker: Prof. Dr. T. G. Sitharam is the Director, Indian Institute of Technology Guwahati (IITG) and formerly a KSIIDC Chair Professor in the area of Energy and Mechanical Sciences at Indian Institute of Science (IISc), Bengaluru. Presently, he is the President of Indian Society for Earthquake Technology and President of the International Association for Coastal Reservoir Research. He is the Fellow of ASCE, Fellow of Institution of Civil Engineers (UK), Diplomate, Geotechnical Engineering (D.GE) of Geoinstitute, ASCE; Fellow of IGS, ISET, ISES and Institution of Engineers (India). He is a Professional Engineer P. Eng and Chartered Engineer (Chartered Engineer - India). He is the Chairman, Research Council, CSIR-Central Building Research Institute (CBRI), Roorkee, Honorary Professorial Fellow at University of Wollongong, Australia & Distinguished professor at Hankou University International Innovation Centre, China. He has obtained his Bachelors in Civil Engineering from University of Mysore, Master's in Civil Engineering from Indian Institute of Science; Ph D in Civil Engineering from University of Waterloo, Canada and post-doctoral from University of Texas at Austin, USA. He has guided 31 Ph D students, 30 masters students and large number of post-doctoral students. He was associated with 3 startup companies at IISc. He has executed 150 consulting projects, and has 5 patents, > 500 publications, 12 books to his credit. H-Index is 42 and I-10 index 107 in Google scholar. He is the chief editor of the International Journal of Geotechnical Earthquake Engineering and Editor-in-Chief of Springer Transactions in Civil and Environmental Engineering.

7th ISET Webinar Series

ISET has been organized the 7th Lecture of ISET Webinar Series. Prof. G. Madhavi Latha, Professor at Indian Institute of Science, Bangalore has delivered the lecture entitled on 'Seismic Response of Retaining Walls' on June 06, 2020. While more than 750 people have registered from 20 different countries, only 500 could participate in the webinar

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Seismic Response of Retaining Walls

6 JUNE, 2020 SAT
11AM - 12.30PM

REGISTER AT
rebrand.ly/GML

Prof. G. Madhavi Latha
IISc Bangalore

sreevalsa@nitk.edu.in

E-certificates will be issued to participants

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due to the limitation of the webinar application. Through the webinar and webinar series fee, more than 5 Lakh Rupees have been collected till now towards PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.

Abstract of 7th ISET Webinar: This talk will cover fundamentals of soil retaining walls, types of retaining walls including reinforced soil walls, response of retaining walls subjected to seismic loads, important aspects of their design and analysis, concepts of 1-g modelling in earthquake geotechnical engineering, reduced scale model studies on retaining walls in shaking table and some interesting case studies. Focus of the talk would be on earthquake induced collapse mechanisms in retaining walls, physical modelling of retaining walls subjected to seismic shaking, analysing the response of walls to seismic loads and getting familiarized with mitigation techniques to avoid failure in retaining walls

under seismic conditions.

About the Speaker: Madhavi Latha Gali is a Professor at Indian Institute of Science, Bangalore. She obtained her Ph.D. degree from Indian Institute of Technology Madras, India. Her areas of specializations include geosynthetics, earthquake geotechnical engineering and rock engineering. She has published more than 150 technical papers in international and national journals and conferences. Prof. Madhavi Latha is a geotechnical consultant for the world's highest railway bridge being constructed in Jammu, India. She is a member of ISSMGE Technical Committees on "soil structure interaction and retaining walls" and "Geo-mechanics from micro to macro". Currently she is the Editor-in-chief of Indian Geotechnical Journal and Associate Editor of Geotextiles and Geomembranes.

8th ISET Webinar Series

ISET has been organized the 8th Lecture of ISET Webinar Series. Prof. G.R. Reddy, Adjunct Professor at NITK & Formerly Outstanding Scientist, Senior Professor, Homi Bhabha National Institute. Bhabha Atomic Research Centre, Mumbai has delivered the lecture entitled on 'On Structure-Equipment-Piping Interaction under Earthquake Excitation' on June 13, 2020. While more than 750 people have registered, about 400 have attended the webinar.

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY
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On Structure-Equipment-Piping Interaction under Earthquake Excitation

JUNE 13, 2020 SAT, 11 AM

REGISTER NOW!
rebrand.ly/greddy

Prof. G. R. Reddy
Adjunct Professor, NIT Karnataka & Outstanding Scientist (Rtd.), BARC

E-Certificates will be issued to the participants

For queries, write to sreevalsa@nitk.edu.in

Through the webinar and webinar series fee, more than 5 Lakh Rupees have been collected till now towards PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.

Abstract of 8th ISET Webinar: Equipment and piping systems are part of all the facilities such as process industry, power plants, hospitals, institutes, residential and offices. In the industry it is meant for conveying process fluid, gases and in residents or offices it is meant for water (normal or fire water) supply, cooking gas supply etc. In industry, apart from the equipment and piping systems meant for the process, it will have other equipment such as boilers, turbo generators, crushers, reactors, storage vessels etc. Hospitals, residents, offices and institutes are also having testing equipment, air conditioners, blowers, washing machines etc. Generally, the

equipment and piping systems are either supported on ground or on the structure or on both. To minimize the seismic risk, apart from structures it is very important to design equipment and piping systems considering design earthquake loads. The risk will be very high if the facility handles hazardous liquids or gases. Today the risk due to fire hazard triggered by earthquakes is also very high in large size hospitals, residents, and offices. It is straight forward to design ground mounted equipment and piping systems and similar approach of structural design may be followed with

appropriate strength and serviceability limits. In the case of equipment and piping supported on structures, the interaction effects or sometimes called coupling effects need to be considered while generating design inputs for equipment and piping systems. Details of coupling effects on the natural frequencies of structures and its effects on the design inputs for equipment and piping will be discussed in the presentation. Also brief presentation will be made on proposed IS 1893 standard for seismic design and qualification of equipment and piping systems.

About the Speaker: Prof. G.R. Reddy is an Adjunct Professor at NIT Surathkal, and Former Senior Professor & Outstanding Scientist at Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai. He obtained his Ph.D. degree from Tokyo Metropolitan University, Tokyo. Since 1984, he is working in the area of Structural Dynamics & Earthquake Engineering and analyzed, designed structures, equipment and piping systems of nuclear facilities. He made significant contribution in design of 500 MWe PHWRs and involved in the design of AHWR and structures for solar thermal power plants. He Made contribution in the design of 30m DSN antenna for Chandrayan project and recently completed the design and construction of large size gamma ray telescope. He has worked in the research areas like modelling techniques of complex structures and developed beam model procedures using energy principles; structure-equipment interaction due to earthquakes and developed decoupling criteria for multi connected equipment, stochastic methods of analysis, dynamic substructure techniques etc. Mastered seismic/dynamic response control methods and developed friction dampers, elasto-plastic dampers, Lead extrusion dampers, isolators and tuned liquid dampers. He made effective contributions in life extension of existing nuclear facilities, seismic retrofitting and seismic margin assessment in structures, equipment and piping systems considering various failure modes. He has developed Iterative Response Spectrum for non-linear systems. He has made more than 500 publications including journals, reports and conference proceedings to his credit. In the human resource development front, he has guided 10 Ph.D students and 41M.Tech students from HBNI, University of Mumbai and Indian Institute of Technology, Bombay. He has published a Text Book on Seismic Design: Structures, Piping Systems and components, Springer International, 2019 with co-authors Hari Prasad, A. K Verma and co-authored a chapter each in three books. As a president of Association of Structural Rehabilitation, guided members and developed Guidelines. He has collaborated about 32 research projects, bulk of them related to structural dynamics with NITK, IITs, IISc, CSIR funded by Board of Research in Nuclear Sciences, Department of Atomic Energy. He also collaborated research projects with institutions from Germany, USA, France and UK related to fire safety of structures, seismic hazards and performance based design of structures and piping systems.

9th ISET Webinar Series

ISET has been organized the 9th Lecture of ISET Webinar Series. Dr. Dipti Ranjan Sahoo, Associate Professor, Department of Civil Engineering, Indian Institute of Technology Delhi has delivered the lecture entitled on ‘Supplemental Damping and Energy Dissipation Devices’ on June 20, 2020. While more than 700 people have registered, about 400 have attended the webinar. Through the webinar and webinar series fee, more than 5.5 Lakh Rupees have been collected till now towards PMCARES fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause.



The poster is for the 9th ISET Webinar Series. It features a blue background with white and orange text. At the top, it says 'ISET WEBINAR SERIES' and 'Supplemental Damping and Energy Dissipation Devices'. Below that, it states 'JUNE 20, 2020 SAT, 11 AM' and a 'REGISTER NOW!' button with the URL 'rebrand.ly/drsahoo'. A circular portrait of Dr. Dipti Ranjan Sahoo is shown, with his name and 'IIT Delhi' below it. At the bottom, it mentions 'E-Certificates will be issued to the participants' and 'For queries, write to sreevalsa@nitk.edu.in'. The ISET logo and full name are at the top right.

Abstract of 9th ISET Webinar: This presentation will highlight the fundamental concepts of seismic design philosophy and the seismic behavior of structures. The vibration control techniques will be introduced with emphasizing on the passive control techniques and supplemental energy dissipation devices. This will include the metallic, viscous, and hybrid dampers. The working principle and the applications of various types of passive dampers will be presented. The design principle and analysis techniques applicable to structures fitted with the supplemental energy dissipation devices will be also presented.

About the Speaker: Dr. Dipti Ranjan Sahoo is currently working as an Associate Professor in the Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi. His research interests include the Hybrid testing and simulation, Performance-based seismic design, Development of passive vibration control devices, Nonlinear modeling of structures, and Seismic retrofitting and strengthening of structures. He is a Fellow of Institution of Engineers (India) and a member of the American Concrete Institute (ACI), Earthquake Engineering Research Institute (EERI), and Indian Society of Earthquake Technology (ISET). He is also a member of the various committee of the Bureau of Indian Standards including the working group for the revisions of IS: 456.

10th ISET Webinar Series

ISET has been organized the 10th Lecture of ISET Webinar Series. Prof. Ashok Kumar, Professor (Retired), Department of Earthquake Engineering, IIT Roorkee has delivered the lecture entitled on ‘**Earthquake Early Warning System: Its relevance for India**’ on **June 27, 2020**. While more than **750 people have registered**, about **400 have attended** the webinar. Through the webinar and webinar series fee, about 6 Lakh Rupees have been collected till now **towards PMCARES** fund. We heartfully thank all the participants, who have not only made the webinar a successful but also contributed towards a noble cause. Brief details of the talk and speaker are given below:



The poster is for the 10th ISET Webinar Series. It features a blue background with white and orange text. At the top right is the logo of the Indian Society of Earthquake Technology (ISET), established in 1982. The main title is 'Earthquake Early Warning System: Its relevance for India' in large white font. Below the title, it says 'ISET WEBINAR SERIES' and 'JUNE 27, 2020 SAT, 11 AM'. A prominent orange button says 'REGISTER NOW!' with the URL 'rebrand.ly/eqak' below it. A circular portrait of Prof. Ashok Kumar is shown, with his name and title 'Prof. Ashok Kumar Professor IIT Roorkee (Rtd.)' next to it. At the bottom left, it states 'E-Certificates will be issued to the participants'. At the bottom, it provides contact information: 'For queries, write to sreevalsa@nitk.edu.in'.

Abstract of 10th ISET Webinar: Earthquake early-warning system (EEWS) uses modern communication infrastructure and real-time seismology to estimate the size of the earthquake and gives warning to target cities well before the arrival of damaging waves. For earthquakes originating from the central Himalayas, such a system can provide tens of seconds of warning to the adjoining plains and Delhi can get as much as 70 seconds of warning time. A successful EEWS in the event of 7+ magnitude earthquake from the central Himalayas can save millions of lives. This presentation will provide concept, methodology, algorithms other details of EEWS and its importance for India.

About the Speaker: Prof. Ashok Kumar did his BE (Hons.) from BITS Pilani (1972), ME(1974) and PhD (1993) from IIT Roorkee. He joined faculty of Earthquake Department, IIT Roorkee in 1976. He was instrumental in the development of the first computer-controlled shake table in India, modern strong ground motion instrumentation networks and strong

motion data website www.pesmos.in. For the last several years, he is working for earthquake early warning systems and was the team leader which developed the first earthquake early warning system of our country, which is presently operational in Uttarakhand. He has guided 12 PhD, 39 M. Tech students and has more than 120 publications in various journals and conferences.