

CONGRATULATIONS



Congratulations!

Professor Dr Dipti Ranjan Sahoo from the Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi is awarded with the Shanti Swarup Bhatnagar (SSB) Prize for Science and Technology 2022 in Engineering Sciences. The SSB Prize is awarded to him for his research contributions in structural earthquake engineering, specifically on passive vibration control of structures during seismic events.

On Tuesday, 26th September 2023, Professor Sahoo received the prize from Dr Jitendra Singh, Vice-President of Council of Scientific & Industrial Research (CSIR) and Minister of State for Science & Technology, Government of India. The citation for the SSB Prize conferred on to Professor Sahoo reads:

"The Shanti Swarup Bhatnagar Prize for the year 2022 in Engineering Sciences has been awarded to Dr Dipti Ranjan Sahoo of Indian Institute of Technology Delhi, New Delhi, for pioneering work in the field of structural fuses, such as shear yielding dampers, in the area of seismic design and mitigation of seismic effects on buildings and bridges."

Professor Sahoo is Fellow of the Indian Society of Earthquake Technology (ISET), currently serving as the Editor-in-Chief of the ISET Journal of Earthquake Technology, and he is also serving as the Executive Committee member of the ISET. Moreover, he is also serving as Principal Member of the technical code-development committee under the Civil Engineering Division Council, CEDC of the Bureau of Indian Standards (BIS), in Earthquake Engineering Sectional Committee, CED-39 for Indian Standard (IS) Code 1893, "Criteria for Earthquake Resistant Design of Structures".

Professor Sahoo has ably served for the Indian Concrete Journal (ICJ) as a Guest Editor, author, and reviewer. The ICJ fraternity is pleased to extend best wishes to Professor Sahoo on this accomplishment.



A joint colloquium on, "Seismic Protection of Structures and Equipment" was conducted on Tuesday, 3rd October 2023 at the Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi by IIT Delhi and GERB Vibration Control Systems Pvt Ltd, India. Prof. Vasant Matsagar, IIT Delhi, India and Dr Peter Nawrotzki, GERB, Germany shared their experiences in design of base isolation systems in various structures in India and worldwide for real-life projects. Around 40 delegates from industry attended the roundtable discussion in which challenges in

the use of modern vibration control techniques in infrastructure were discussed. The participants also discussed on the possible solutions that needs to be adopted to overcome these challenges to make civil infrastructure earthquake resilient.

A one-day SPARC-sponsored workshop, "Holistic Fire Engineering Design of Infrastructure" was conducted on Friday, 29th September 2023 at the Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi. Associate Editor of the Indian Concrete Journal (ICJ), Dr David Lange, Associate Professor, School of Civil Engineering, The University of Queensland (UQ), Australia, delivered a series of lectures in the workshop. This workshop emphasized on the fire safety strategy as an outcome of the design process in fire safety engineering and explored the impact of recent changes to the built environment on delivering fire safety. The speaker echoed the need for adopting a robust performance-based fire safety design strategy for modern infrastructure instead of using a century-old prescriptive design guideline. The workshop was attended by close to 30 participants from industry and academia.



A two-day workshop on, "Design of Structural Concrete with Strut-and-Tie Method" was conducted on Monday, 18th and Tuesday, 19th September 2023 at Hotel Vivanta Dwarka, New Delhi by the Indian National Group (ING) of International Association for Bridge and Structural Engineering (IABSE) prior to three-day IABSE Congress 2023. Faculty members in this workshop included: Prof. Dr-Ing Arndt Goldack, Faculty of Architecture and Civil Engineering, University of Wuppertal Pauluskirchstraße, Germany, Prof. Dr sc. techn. Mike Schlaich, Fakultät VI,

Planning Building and Environment, Technische Universität Berlin, Germany, and Prof. Dr Vasant Matsagar, Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi, New Delhi, India. The lectures covered fundamentals to complex design of structural members using Strut-and-Tie modelling technique. The workshop was attended by around 70 participants from industry and academia.

77th Réunion Internationale des Laboratoires et Experts des Matériaux (RILEM) Annual Week and the 1st Interdisciplinary Symposium on Smart and Sustainable Infrastructures (ISSI 2023) were held at Sheraton Vancouver Wall Centre, Vancouver, British Columbia, Canada during Monday, 4th to Friday, 8th September 2023. The week included meetings of RILEM standing committees (TAC, DAC, DEV, Bureau) and RILEM technical committees (TCs). The programme also included an industrial session, the prestigious Robert L'Hermite lecture and award, and was attended by close to 200 participants around the world.



The second annual conference under the aegis of the Seismic Academy was organized on Thursday, 31st August 2023 at the India Habitat Center, New Delhi, India. The theme for the conference was, "Seismic Resilient Infrastructure in Healthcare Facilities". The invited speakers highlighted on the need to secure building and non-structural elements in the event of earthquake to retain hospital functionality without disruption and at the same time ensure safe evacuation of patients. Two panel discussions in the conference witnessed panellists contributing to the discussions with their experience and knowhow, and also sharing their expectation and willingness to associate and contribute in a meaningful manner to the initiative.



A three-day Capacity Building workshop on, "Systemic Aspects of Resilient Health Infrastructure" was organized during Wednesday, 9th to Friday, 11th August 2023 at the Sundar Hotel, Singtam, India under the aegis of Coalition for Disaster Resilient Infrastructure (CDRI), and World Health Organization (WHO). The event was also conducted in collaboration with Global Initiative on Disaster Risk Management (GIDRM), and Sikkim State Disaster Management Authority (SSDMA). Faculty members in this workshop included:

Prof. Dr B. Bhattacharjee, Indian Institute of Technology (IIT) Delhi, Prof. Dr Sparsh Johari, IIT Gawahati, Prof. Dr Chandrashekhar Bhuiyan, Sikkim Manipal Institute of Technology (SMIT) Sikkim, Prof. Dr Vasant Matsagar, IIT Delhi, Mr Manish Bharti, Cortex Construction Solutions Pvt Ltd, and Dr Ratnesh Kumar Coalition for Disaster Resilient Infrastructure (CDRI).

Upcoming National/ International Conferences:

1. A five-day concrete convention is being organized during Sunday, 29th October to Thursday, 2nd November at Boston, Massachusetts, the USA by the American Concrete Institute (ACI). More information about the convention can be found at: https://www.concrete.org/Portals/0/Files/PDF/ACI_F23_ProgramBook.pdf
2. An International Conference on Vibration Engineering, Science, and Technology (INVEST 23) is being organized by the Council of Vibration Specialists (CVS) - Bengaluru Chapter in Bengaluru at J. N. Tata Auditorium, Indian Institute of Science (IISc), Bengaluru, India. The conference INVEST23 will be held in physical mode on Friday, 17th and Saturday, 18th November 2023 with parallel session in Simulation and Testing. More information about the conference can be found at: <https://invest.covs.in>
3. 13th Structural Engineering Convention (SEC 2023) is being organized at the Department of Applied Mechanics, Visvesvaraya National Institute of Technology (VNIT) Nagpur during Thursday, 7th - Saturday, 9th December 2023. More information about the convention can be found at: <https://vnit.ac.in/sec2023>
4. 13th International Conference on Structures in Fire (SiF) 2024 is being organized at Departamento de Engenharia Civil da Universidade de Coimbra, Coimbra, Portugal during Wednesday, 19th to Friday, 21st June 2024. Deadline for abstract submission is Friday, 29th December 2023. More information about the conference can be found at: <https://events.cmm.pt/event/home/index.php?target=home&event=10>



RILEM UPDATE

The International Union of Laboratories and Experts in Construction Materials, Systems and Structures

REPORT OF THE 77th RILEM ANNUAL WEEK

The 77th RILEM Annual Week and 1st *Interdisciplinary Symposium on Smart and Sustainable Infrastructures (ISSSI2023)*, which took place on 4-8 September 2023, in Vancouver, Canada, was another great event! The organisers did a fantastic job in creating such an exciting and vibrant event. If you missed it, you can discover here bit.ly/3ESeCeQ everything that happened in Vancouver.



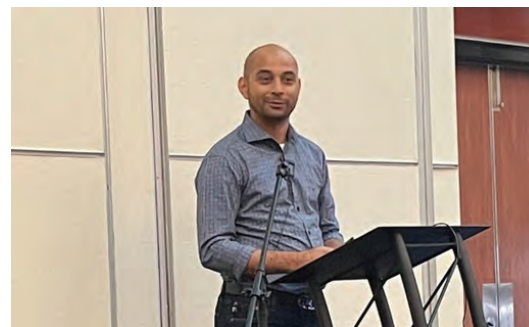
3 INDIAN STUDENTS AMONGST THE RECIPIENTS OF THE 2023 RILEM PhD GRANT

Also this year, for the 77th RILEM Annual Week, RILEM awarded with some travel funds to attend the event in person some young PhD students and early-career researchers under the age of 35 and residing in countries where discounted RILEM fees apply. Three of the five awardees were Indian students. Discover their names and research topics here bit.ly/45VzbCV!



VIDEO OF PROF. GAURAV SANT'S PRESENTATION

Every year, the RILEM Robert L'Hermite medallist is invited to give a key-note lecture during the RILEM Annual week. This year, Prof. Gaurav Sant, University of California, Los Angeles, USA, gave his presentation about "Carbon Management" at the 77th RILEM Annual Week. The video is available for free on the RILEM YouTube Channel bit.ly/3ta47kn!



NEW PROCEEDINGS

RILEM is thrilled to announce the proceedings of the 13th *International Conference on Structural Analysis of Historical Constructions (SAHC2023)*, VOL 1 and VOL 2, edited by Yohei Endo and Toshikazu Hanazato, RILEM Bookseries, volume 46 and 47. The proceedings showcase the latest developments and innovations in the field of conservation of historical constructions. RILEM members can access the electronic version of the proceedings and download for free the whole book or any chapter in particular. Non-RILEM members can purchase their copy here: bit.ly/48kLKcu.

