



MESSAGE FROM THE PRESIDENT



Dear Distinguished Members,

I hope you all are doing well with your family.

The month of May this year passed with many pleasant and unpleasant happenings around us. Let me share the pleasant happenings first. Maharashtra Day is celebrated on 1st of May, which marks the formation of the state of Maharashtra. It celebrates the cultural identity, history, and progress of Maharashtra. The day is also celebrated as International Workers' Day, for honouring the contributions and struggles of workers for better conditions and fair wages. Guru Rabindranath Tagore's Jayanti is celebrated on 8th May worldwide. Buddha Purnima, which marks the birth, enlightenment, and death of Gautama Buddha, the founder of Buddhism is celebrated on 12th May. Maharana Pratap Jayanti, commemorating the birth anniversary of Maharana Pratap, a valiant Rajput king known for his bravery and resistance against the Mughal Empire, is celebrated on 29th May 2025. Now about the unpleasant things that happened in this period. The month began with growing tensions at our western borders in the aftermath of terrorist attack at Pahalgam on April 22, where 26 innocent lives were lost. This resulted in punitive attack and counterattack starting from May 7, which continued for four days and which became the most serious military crisis in decades between the two neighbouring countries.

As far as IAStructE activities are concerned, It is with great enthusiasm; I am sharing that we have recently constituted many dynamic committees to steer and coordinate the various initiatives and activities of the IAStructE for the term 2025-26. These committees are :

Committees

1. President's Council (Earlier Advisory Committee)
2. Awards Committee
3. Building Committee
4. Constitution Review Committee
5. International Collaborations Committee
6. Membership & Outreach Committee
7. Professional Accreditation Committee
8. Professional Development & Technical Events
9. Professional Issues Committee
10. Publications Committee
11. Student's Affairs Committee
12. Young Engineers Committee
13. Regional Outreach Committee - North
14. Regional Outreach Committee - South
15. Regional Outreach Committee - East
16. Regional Outreach Committee - West

Chairperson

Prof. R. Pradeep Kumar
Prof. Mahesh Tandon
Mr. Manoj Mittal
Prof. R. Pradeep Kumar
Mr. V. N. Heggade
Mr. Manoj Mittal
Prof. Prem Krishna
Mr. Sandeep Pattiwar
Mr. Manoj Mittal
Mr. Rajiv Ahuja
Dr. Priyanka Singh
Mr. Shounak Mitra
Mr. I S Chauhan
Dr. S. P. Anchuri
Mr. Anirban Sengupta
Mr. V. N. Heggade

We are looking forward to these committees coming up with action plans, robust and well spread calendar of events to take the objectives of IAStructE forward.

I wish you all a pleasant summer ahead and if planning a holiday with the family, do travel well, safe and in a sustainable manner

Best Wishes

Alok Bhowmick

FROM THE EDITOR'S DESK



Respected Esteemed Members,

Greetings from the Editorial Desk!

It gives me immense pleasure to present the May 2025 edition of the IAStructE Newsletter. This issue reflects the Association's continued commitment to fostering knowledge exchange, professional growth and global engagement in the field of structural engineering.

Our profession today stands at a critical intersection—where traditional engineering values meet pressing global challenges such as climate change, sustainability, digital transformation and urban resilience. In this context, the contributions in this issue are particularly timely and meaningful. The thought-provoking article by our President, Mr. Alok Bhowmick, on the pivotal role of structural engineers in promoting sustainability underscores the urgency of rethinking design practices through the lens of carbon efficiency and resilience.

This edition also covers significant recent activities, such as the insightful lecture on structural audits and the enthusiastic participation of our members in the IABSE Symposium in Tokyo. These initiatives highlight our members' growing global presence and dedication to continuous learning.

We invite you to engage with the various calls for papers and professional development opportunities announced herein, including contributions to Structural Engineering Digest (SED) and CROSFALL. These platforms are designed to empower professionals to share innovative ideas, reflect on lessons learned and shape safer and more sustainable built environments.

I express my sincere appreciation to all contributors, editorial board members and readers who make this newsletter a vibrant medium of exchange. Let us continue to learn, share and lead with excellence in structural engineering

Warm regards,



Dr. Priyanka Singh

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Events Organized:

Lecture on "Structural Audit & Assessment - Preventing Built Environment & Unlocking Career Opportunities"

An online lecture on "Structural Audit & Assessment - Preventing Built Environment & Unlocking Career Opportunities" by Mr. Aman Deep, Managing Director, Creative Design Consultant & Engineers Pvt Ltd on May 22, 2025. The speaker highlighted the vital role of audits in detecting hidden issues like dampness, corrosion, cracks, and material fatigue, ensuring the safety and durability of buildings and other infrastructure. Using brief case studies of structural failures, the lecture covered the importance of audits, their processes, and the tools used to identify risks. It also emphasized the growing career and business opportunities in this field, driven by urban growth and regulatory demands. The session provided valuable technical insights and inspired engineers to contribute toward a safer, more resilient built environment. The recorded lecture can be seen from the following YouTube link: <https://youtube.com/live/6rT1bW9fTlc?feature=share>

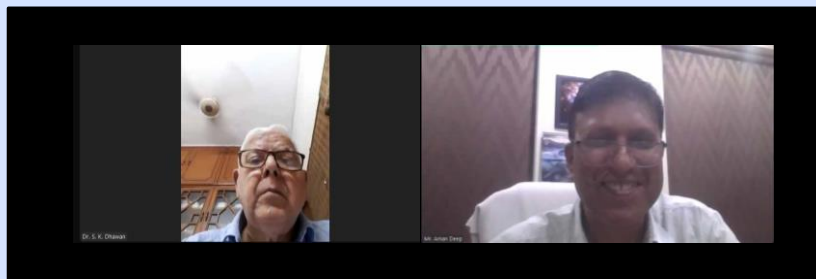


Fig 1: Glimpses of the Lecture

Forthcoming Events / Activities

1. IAStructE National Awards Competition

IAStructE national awards are recognition of excellence and innovation in structural engineering. These awards cover research, projects, design and publications etc in any area of structural engineering. Nominations are being invited in the following five categories:

1. Outstanding Structure Award (Buildings and Structures other than Buildings) (Two Awards)
2. Outstanding Structural Engineer Award (One Award)
3. Outstanding Woman Structural Engineer Award (One Award)
4. Promising Young Structural Engineer Awards (One Award)
5. Best Master's Thesis in Structural Engineering (One Award)

Nomination Deadline: July 31, 2025

Make sure to read the eligibility requirements listed in each nomination form before submitting. Download the nomination forms from the following link and submit your nomination before the deadline: <https://www.iastructe.co.in/iastructe-national-awards.php>

2. Webinar on Advancements in Geotechnical Engineering: Innovative Technologies and Solutions for Enhanced Foundation Performance

IAStructE is organizing a webinar on "Advancements in Geotechnical Engineering: Innovative Technologies and Solutions for Enhanced Foundation Performance" scheduled for June 12, 2025 at 4:00 PM (IST). The speaker, Mr. Sorabh Gupta, Director, Cengrs Geotechnica Pvt Ltd, will cover recent advancements in geotechnical engineering, emphasizing tools such as CPTu/SCPTu, CHST, and pressuremeter tests, along with performance-based design.

Registration link: https://us02web.zoom.us/webinar/register/WN_V-9FLCBeQ-OIKjwFeDASdg



StructE NATCON 2025



National Conference on the theme **Towards a Safe and Enduring Built Habitat**

6-7 February, 2026
Hyderabad , India

Conference Sub-Themes

Innovations in Structural Engineering for Resilient Construction

Durability and Sustainability in Building Materials and Systems

Seismic Safety and Disaster Resilience Strategies

Performance-Based Design and Life-Cycle Assessment

Rehabilitation, Retrofitting, and Strengthening of Structures

Policy, Codes, and Best Practices for Safer Built - Habitats

Climate-Responsive and Environmentally Conscious Built Forms

Emerging Technologies: Digital Twins, AI, and Smart Structural Monitoring

Learning from Recent Disasters

Important Deadlines

Submission of Abstract 15 August 2025

Notification of Abstract 30 August 2025

Full paper Submission 31 October 2025

Review & Notification of Final Acceptance 30 November 2025

Early Bird Registration 07 December 2025

Regular Registration 31 December 2025

Organised by



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Role of Structural Engineers in promoting Sustainability

By

Alok Bhowmick, FNAE

President, IAStructE

The global contribution of the embodied Green House Gas (GHG) emissions from construction amounts to a total of around 20% of global GHG emissions. Three-quarters of these emissions originate from concrete and steel alone, simply because these materials are in large volumes in construction. In the quest to mitigate climate change and the associated disastrous consequences, immediate actions must be taken by all stakeholders involved in construction industry to reduce emissions from construction.

As our world faces the pressing challenges of climate change and environmental degradation, the role of civil engineers in general and structural engineers in particular in sustainability has become increasingly vital. Structural Engineers have a major role to play in promoting sustainability. It extends far beyond the realm of design and construction. It encompasses a holistic approach that addresses both the impacts of climate change on structures and the reduction of our industry's carbon footprint. Structural engineering profession must take two key approaches: to adapt to climate challenges while actively contributing to global sustainability efforts.

Firstly, enhancing the resilience of urban environments is essential to withstand increasingly severe natural hazards. Exploring how intensified hazards and structural degradation, driven by climate change, interact to influence urban risk must be one of the agenda item in the list of “things to do” for our profession. The focus should be on developing strategies that reduce vulnerabilities and bolster resilience, ensuring that our built environments remain safe and functional even under extreme conditions. This would mean focussed attention in our profession to risk assessment, mitigation strategies, and urban resilience.

Equally important is addressing the root causes of climate change by minimizing carbon emissions from the construction sector. Our profession must focus on innovative technologies and practices to reduce CO₂ emissions, promoting sustainable construction techniques and the use of low-carbon materials. We need to put our emphasize on sustainable design principles, advocating for the circular economy by supporting the reuse and recycling of building materials and components. These initiatives must be taken by us, not only to reduce carbon emissions but also to promote resource efficiency and environmental stewardship within the construction industry. We must explore how green infrastructure, carbon-neutral technologies, and advanced materials can transform our approach to structural engineering.

IAStructE wishes to take lead in disseminating knowledge and orienting the structural engineering community in addressing climate change with both adaptation and mitigation strategies. By enhancing resilience against climate hazards and minimizing our carbon footprint, we contribute to safer cities and a healthier planet. I encourage the structural engineers in India to join us in this endeavour and help shape a sustainable and resilient future for generations to come.

Resilience-Based Design: The Future of Structural Engineering in a Changing Climate

By

Dr. Priyanka Singh

Associate Professor, Amity School of Engineering & Technology

Abstract

As climate change intensifies, the structural engineering community faces growing pressure to evolve beyond life-safety-oriented design. Resilience-Based Design (RBD) emerges as a holistic framework emphasizing not only survival but rapid recovery and sustained functionality of structures during and after extreme events. This article explores the technical dimensions of RBD, its implementation strategies, and the transformative role it plays in advancing structural safety, functionality, and sustainability.

1. Introduction

With increasing occurrences of earthquakes, hurricanes, floods, and wildfires, conventional design strategies—primarily governed by prescriptive codes—are proving insufficient. Resilience-Based Design is a performance-based engineering approach that incorporates uncertainty, risk, downtime, and socio-economic impacts into the design process. It shifts the focus from minimum compliance to optimized performance.

2. Technical Foundations of RBD

2.1 Performance-Based Earthquake Engineering (PBEE)

PBEE, as developed by the Pacific Earthquake Engineering Research Center (PEER), utilizes a four-step framework:

- Hazard Analysis (probabilistic seismic hazard assessment)
- Structural Analysis (nonlinear time-history analysis)
- Damage Analysis (component-level fragility functions)
- Loss Analysis (repair cost, downtime, casualty estimates)

3. RBD Implementation Strategies

3.1 System-Level Redundancy and Robustness

RBD promotes structural systems with redundancy (alternate load paths), ductility, and robustness to avoid progressive collapse.

3.2 Use of Advanced Materials

Innovative materials like Shape Memory Alloys (SMA), Fiber-Reinforced Polymers (FRP), and Engineered Cementitious Composites (ECC) enhance self-centering capability and crack control.

4. Case Studies and Applications

4.1 Christchurch, New Zealand (2011 Earthquake)

Post-disaster assessments revealed that buildings designed under traditional codes had to be demolished due to long recovery times, despite not collapsing. This led to New Zealand adopting resilience metrics in updated design guidelines.

4.2 San Francisco's Community Action Plan for Seismic Safety (CAPSS)

CAPSS incorporated RBD to evaluate downtime, repair cost, and resilience targets for housing stock. It influenced city-level retrofit policies.

4.3 India: Cyclone-Resistant Infrastructure

RBD principles are increasingly integrated into coastal infrastructure projects in Odisha and Andhra Pradesh, using simulation-based hazard mapping and fragility modelling.

5. Future Directions

- Digital Twins for real-time monitoring and predictive maintenance
- AI/ML Integration in risk modelling
- Hybrid Testing Techniques (e.g., real-time hybrid simulation)

6. Conclusion

Resilience-Based Design represents a significant leap forward for structural engineering, demanding interdisciplinary integration, stakeholder collaboration, and advanced analytical modeling. By designing not just for survival but for recovery and functionality, engineers can ensure that our infrastructure is prepared for an uncertain future.

References

1. PEER Center. (2010). Guidelines for Performance-Based Seismic Design.
2. FEMA P-58. (2018). Seismic Performance Assessment of Buildings.
3. ASCE-SEI. (2021). Performance-Based Design of Structures.
4. Cimellaro, G. P., Reinhorn, A. M., & Bruneau, M. (2010). Framework for analytical quantification of disaster resilience. *Engineering Structures*, 32(11), 3639-3649.
5. Koliou, M., van de Lindt, J. W., et al. (2020). State of the research in community resilience: Progress and challenges. *Sustainable and Resilient Infrastructure*, 5(3-4), 131-151.

IAStructE members active participation in recently concluded IABSE Symposium at Tokyo (May 18-21, 2025)

By

Alok Bhowmick, FNAE

President, IAStructE

The IABSE Symposium Tokyo 2025, themed 'Environmentally Friendly Technologies and Structures: Focusing on Sustainable Approaches,' offered an invaluable platform for the participants to advance these critical discussions. Some of the IAStructE members who actively participated in this 4-day mega event are very fortunate. The symposium was held at Waseda University & Rihga Royal Hotel near the Waseda University, offering an inspiring setting for sharing knowledge and fostering collaboration. The symposium brought together international experts to share insights and innovations that will drive our industry toward a more sustainable future. It was an opportunity to explore how green infrastructure, carbon-neutral technologies, and advanced materials can transform our approach to structural engineering. Additionally, the symposium provided us with an excellent opportunity for collaboration between academia, industry, and government bodies, fostering partnerships that are essential for implementing sustainable practices on a global scale.

The event was attended by 589 delegates from 45 countries. A maximum number of 235 delegates were from Japan followed by China with 106 delegates. 10 delegates from India participated in this event, which included following members from IAStructE Governing Council :

- a) Mr. Alok Bhowmick
- b) Prof. Mahesh Tandon
- c) Dr. Harshavardhan Subbarao
- d) Mr. U. K. Rajeshirke

There were 416 presentations made in this symposium, which was spread in 9 parallel sessions. There were 9 keynote lectures, 72 session keynotes and 335 regular presentations in this mega event. One of the special session (SS-26), themed “Caisson Foundation - A Trusted Sustainable Solution for Bridges” was initiated by the Task Group 1.11 of IABSE of which Mr. Alok Bhowmick is the Chair. This special session with 6 lectures was an “all-India” session where all the speakers were from India and the session was also co-chaired by two Indians (i.e. Prof. Mahesh Tandon and Mr. R. K. Jaigopal). Speakers in this special session and their topic of presentation is as follows :

- a) “Caisson Foundations for two Bridges across river Hooghly at Kolkata”; Subrata Basu, Amitabha Ghoshal & Alok Bhowmick (Session Keynote)
- b) “Innovative Caisson Foundations of Signature Bridge, New Delhi, India”; Harshavardhan Subbarao
- c) “Case Histories of Well Foundations in India – Design and Construction Challenges”; Deepak Singla, Rajiv Ahuja
- d) “Jack-Down method of Well (Caisson) Sinking for Bridges Over River Yamuna, Delhi”; Mahesh Tandon
- e) “Assessment of Existing Caisson Foundation for reuse using Cross Hole Sonic Logging Technique”; Alok Bhowmick, Ravikiran Vaidya
- f) “Rehabilitation of MG Setu Bridge over river Ganga, Patna, Bihar”; Shashank Rajbhoj, Saugata Bhattacharjee



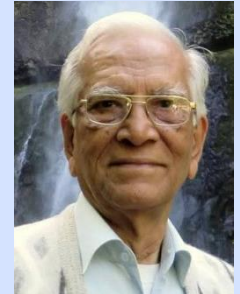
Photograph taken at the event for the benefit of readers

Tribute to Sri Mouli Kishore Chatterjee - A Great Bridge Engineer and a trusted mentor for a generation of Structural Engineers

(Tribute written by Mr Amitabha Ghoshal & Mr Amitabha Dutta)

With the passing of Sri Mouli Kishore Chatterjee, the bridge engineering fraternity has lost one of its tallest pillars. A rare combination of brilliance, discipline, and unwavering integrity, he was much more than an exceptional engineer—he was a mentor, a guide, and a true ‘Guru’ to many.

Graduated in 1960 from the B E College, Sibpur, he joined the Ministry of Transport through the All India competitive examinations, but left the same for participating in innovative structural engineering as was being pursued by consulting organisations like the STUP Consultants Ltd those days. He contributed extensively to the innovative flyover structures that came up in New Delhi, as preparatory work ahead of the Asiad Games in 1982.



(1938 – 2025)

Renowned for solving complex design challenges from first principles, he stood as a beacon of technical excellence and ethical conduct. His methodical approach, profound knowledge, and commitment to uncompromising quality left a deep and lasting impact on all who worked with him. Under his leadership, STUP emerged as a bastion of engineering rigor and professional reliability.

During the early days of computer usage in structural engineering, he began developing programs on his Casio Programmable Calculator, collaborating with young engineers working under him, to perform various bridge design analyses and improve design delivery speed. Some of these programs were later accepted in Southeast Asian countries like Malaysia as validated engineering tools, helping Indian consultants like STUP to gain recognition and become a trusted brand name. After leaving his regular employment, he continued to help a large number of engineering organisations across India and in the process mentored a large number of young engineers.

Gentle yet firm in his pursuit of perfection, MKC inspired generations of engineers not only to excel in their technical endeavours but also to uphold the highest standards of integrity. His influence extended far beyond engineering—shaping character, professionalism, and values.

His legacy will live on—not just in the bridges and structures he helped create, but in the hearts and minds of those he mentored and inspired throughout his remarkable journey.

May his noble soul rest in eternal peace

IAStructE Social Media accounts

Let's get “*****DIGITIZED*****”

Please follow us on all major media platforms. For joining us, below mentioned links to be pasted in browser. Let's join hands together to promote the profession of Civil Engineering.

1. **on TWITTER** as **IAStructE**: -<https://twitter.com/iastructe>
2. **on Facebook** as **IAStructE**: -<https://www.facebook.com/IAStructE-100114022302316>
3. **on LinkedIn**: -The group is defined as Indian Association of Structural Engineers-IAStructE
<https://www.linkedin.com/groups/6646248/>
4. **on YouTube** as **IAStructE Webinar**: - Subscribe and press bell icon
https://www.youtube.com/channel/UCvv7ojXO9Dxq1WtP_yHZTKw



Accredited Structural Engineers (ASE – IAStructE):

The **IAStructE Accreditation Program for Accredited Structural Engineers (ASE – IAStructE)** is designed for experienced structural engineers with a strong understanding of Indian design codes and standards. This accreditation sets a benchmark for professional and technical excellence, enhancing structural engineering practice in the country. The entire program would be on the basis of a two-stage process consisting of an interview for the assessment of Initial Professional Development (IPD) followed by a written examination based on actual problem-solving. Both stages are mandatory to clear the assessment process and thus to get recognition. An Accredited Structural Engineer – IAStructE is someone who wishes to:

- validate their comprehensive experience and understanding of all types of structural engineering work and managerial capabilities
- demonstrate their competence on the basis of IPD and Continuous Professional Development activities in the field

The complete information about the entire process along with the application form and annexures can also be obtained from a booklet, which can be downloaded from the following link: <https://www.iastructe.co.in/ase-iastructe-accreditation.php>

This assessment process will be held bi-annually, being initiated in January & July respectively.

Call for papers for CROSFALL:

CROSFALL is a newsletter created by Indian Association of Structural Engineers (IAStructE). Its purpose is to share lessons learnt from structural failures, near-misses and safety concerns. The objective is to help create a safer built environment, enhance industry knowledge, and mitigate future risks by sharing real-life failure case studies with expert analysis. We expect professionals reading these newsletters to use these informations in their design to make safer structures. CROSFALL is greatly encouraged and inspired by CROSS (Confidential Reporting on Structural Safety), UK, which is a collaborative effort of three institutions (IStructE, ICE and IFE). There is however no connection between CROSFALL-IAStructE and CROSS-UK.

CROSFALL Editorial Board invites reports for the forthcoming issues. Interested candidates can send the reports about structural safety issues related to all types of structures (i.e. buildings, bridges, tunnels, industrial structures etc.) in the built environment. The reporting can be related to:

- *Structural failures,*
- *Poor Design and Detailing, Lack of Seismic Safety in planning*
- *Safety concerns about high risk erection schemes at Site; Safety concerns on Temporary Works*
- *Near misses, or observations relating to procedures followed at site, which may lead to failures or collapses.*
- *Unethical practices in the profession*

Reports do not have to be about current activities so long as they are relevant. Small scale events are equally important - they can be the precursors to more major failures. Report might relate to a specific experience or it could be based on a series of experiences indicating a trend. No concern is too small to be reported and conversely nothing is too large. Reports should aim to include information that will help others to learn from the safety issue identified.

To submit the report please go through the following link: www.iastructe.co.in/crosfall.php

Call for papers for the theme-based issue of SED journal:

SED Editorial Board invites article contributions for the forthcoming issues of the Structural Engineering Digest on the following themes, which shall be published in e-book format.

January – March 2025 issue: Theme: Tall Buildings & Structures
Guest Editor: Mr. Abhijeet Kulkarni

April – June 2025 issue: Theme: **Role of Digital Technology in Structural Engineering**

Interested professionals may send their full paper on any of the above issues along with their photograph and brief resume latest by April 15, 2025 or at the earliest convenience. Articles are invited from i) Members of IAStructE; ii) Specialists in the field even though they are not members of IAStructE.

Advertisement Tariffs:

Structural Engineering Digest (being published in PDF format)

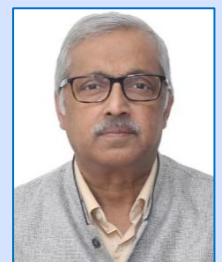
	Rates Per issue	Discounted rate at 20% for 4 consecutive issues	Advertisement Size
Full Page	Rs. 20,000/-+ 18% GST	Rs 64,000/- + 18% GST	9.5-inch x 7 inch

IAStructE Monthly Newsletter (being published in PDF format)

	Rates for advertisement	Advertisement Size
Full Page	Rs. 10,000 per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking	9.5-inch x 7 inch
Half Page	Rs. 7,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking.	4.75-inch x 7 inch
1/8th of a Page	Rs. Rs. 2,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half-yearly, and 30% rebate for yearly bookings. (Only for IAStructE Members)	Standard size of Business Card

Members Achievement

1. Mr. Alok Bhowmick, President of IAStructE and Managing Director of B&S Engineering Consultants Pvt. Ltd., has recently become a member of the Editorial Board of the international journal of IABSE, *Structural Engineering International*. He is an active member of IABSE, Chair of Task Group 1.11 “Caisson Foundation”, and was recently appointed as a member of Task Group 1.13 “Ship Collision with Bridges”.



On behalf of the Governing Council and members of IAStructE, we extend our heartfelt congratulations to him on this prestigious appointment and look forward to his continued success and valuable contributions to the field.

2. Mr. Vineet Lochan Gupta, Fellow IAStructE and Founder & CEO of Save Techno Engineers, was felicitated with the 'Times Business Award' 2025 for *Excellence in Project Management & Engineering Design Consulting Services*. The award was presented by Ms. Sonali Bendre during a ceremony held on April 22, 2025, in New Delhi.

On behalf of the Governing Council and members of IAStructE, we extend our sincere congratulations to Mr. Vineet Lochan Gupta and wish him continued success in all his future endeavors.



Subscribing membership of fib through IAStructE:

Fib has started inviting the membership subscription for 2025. There are many benefits available for IAStructE members and others who want to become subscribing members of fib through IAStructE.

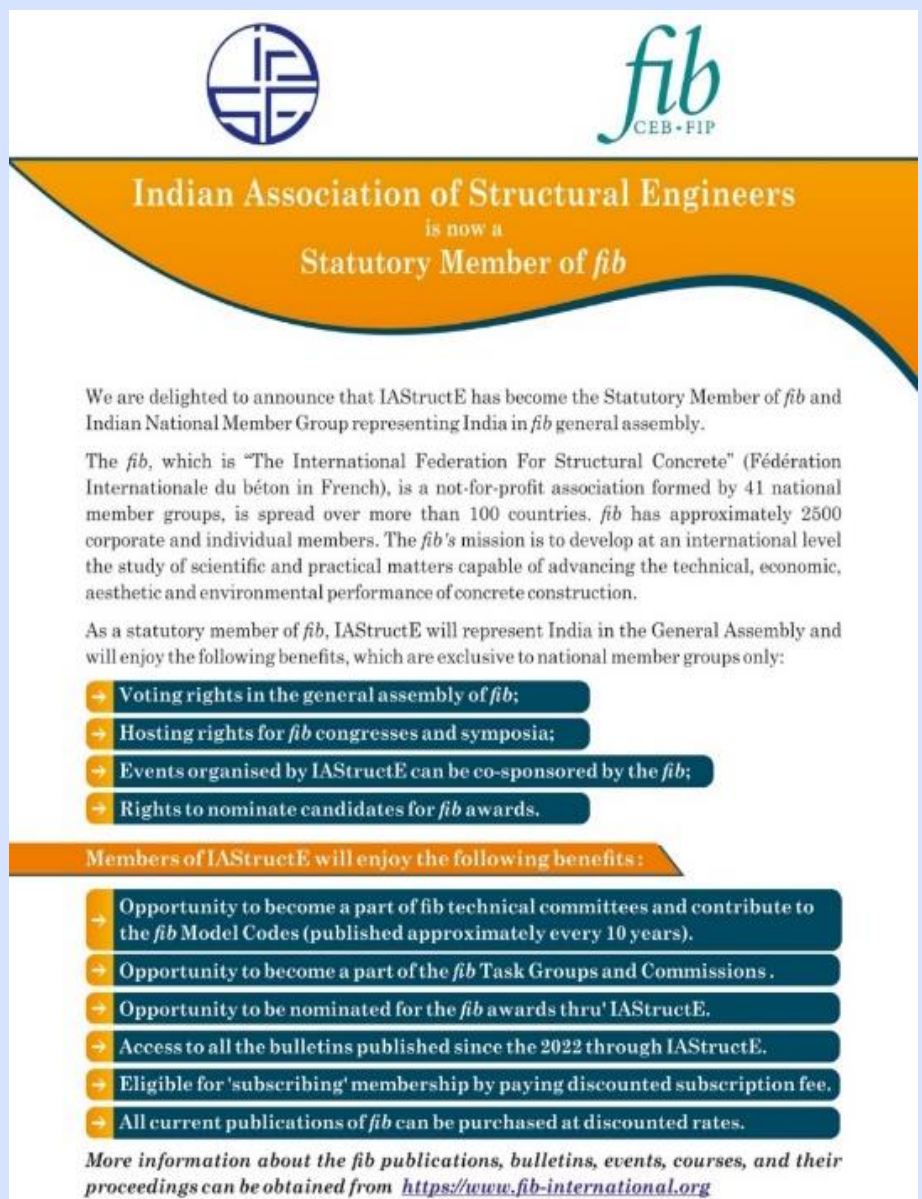
Fees for subscribing members through IAStructE: The discounted fees exclusively for the IAStructE members to become the “subscribing members” of fib shall be Rs 24,000.00 (CHF 250.0 approx.) as against CHF 465 for the Non-IAStructE members. However, non-members can also take advantage of the fib subscribing membership at a discounted fee after becoming members of IAStructE.

The procedure to get the subscribing membership of fib for the year 2025 is as follows:

1. Interested members can remit the membership amount of Rs 24,000 (i.e. CHF 250) + 18% GST to IAStructE.

2. On the last day of every month, the contact details of those members who made the payment and want to be subscribing members will be sent to the fib.

3. The subscribing membership of fib will be valid for the calendar year up to December 31, 2025.



We are delighted to announce that IAStructE has become the Statutory Member of fib and Indian National Member Group representing India in fib general assembly.

The fib, which is “The International Federation For Structural Concrete” (Fédération Internationale du béton in French), is a not-for-profit association formed by 41 national member groups, is spread over more than 100 countries. fib has approximately 2500 corporate and individual members. The fib’s mission is to develop at an international level the study of scientific and practical matters capable of advancing the technical, economic, aesthetic and environmental performance of concrete construction.

As a statutory member of fib, IAStructE will represent India in the General Assembly and will enjoy the following benefits, which are exclusive to national member groups only:

- Voting rights in the general assembly of fib;
- Hosting rights for fib congresses and symposia;
- Events organised by IAStructE can be co-sponsored by the fib;
- Rights to nominate candidates for fib awards.

Members of IAStructE will enjoy the following benefits:

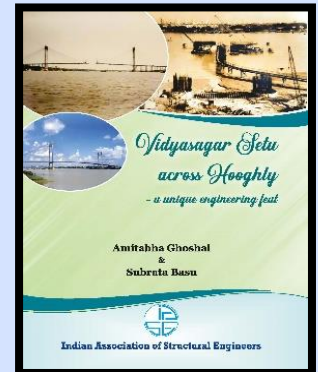
- Opportunity to become a part of fib technical committees and contribute to the fib Model Codes (published approximately every 10 years).
- Opportunity to become a part of the fib Task Groups and Commissions.
- Opportunity to be nominated for the fib awards thru' IAStructE.
- Access to all the bulletins published since the 2022 through IAStructE.
- Eligible for 'subscribing' membership by paying discounted subscription fee.
- All current publications of fib can be purchased at discounted rates.

More information about the fib publications, bulletins, events, courses, and their proceedings can be obtained from <https://www.fib-international.org>

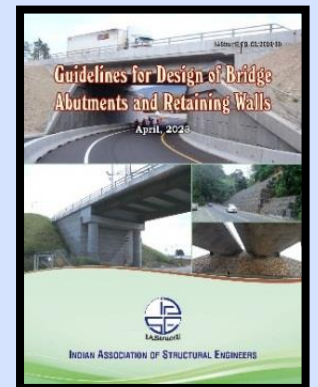
IAStructE Publications:

1. Book on Vidyasagar Setu across Hooghly – A unique engineering feat:

The book is about the story of an iconic bridge structure - the Vidyasagar Setu, initially known as the Second Hooghly Bridge (or crossing). The authors Mr. Amitabha Ghoshal and Mr. Subrata Basu have created an engaging narrative that covers both the engineering as well as the other related issues in lucid detail. The book is available for Sale @ Rs 1200/- + Rs 150/- (postal charges). IAStructE Members are entitled to a discount of 10% on the book price. Interested professionals who wish to purchase the book may contact us at iastructe@gmail.com.



2. Guidelines for Design of Bridge Abutments and Retaining Walls: This document will assist practicing bridge and structural engineers in building confidence in the design of these structures, which offers tools for the design of economic and innovative retaining structures. The document is rich in theoretical explanations and draws on much experience of the authors. Worked examples further illustrate the application of the applicable codes and should promote better understanding.



The document is available for sale @ Rs. 1500/-. Interested professionals who wish to purchase this document may kindly contact IAStructE Secretariat at iastructe@gmail.com. Members of IAStructE will be entitled for a discount of 10% on the price.

3. Commentary with Worked Examples for IRC: 6-2017: It is a document having commentary with worked example on IRC: 6-2017 (The code for Loads & Load Combinations for design of Highway Bridges). This commentary is in two separate volumes. Volume-1 pertains to the Commentary while Volume-2 pertains to Illustrative Worked Examples. It has 48 worked examples demonstrating application of various codal clauses. The documents are available for sale @ Rs. 1200/- for Volume 1, and @ Rs. 800/- for Volume II. Members of IAStructE and IRC will be entitled for a discount of 10% on the price. Interested professionals who wish to purchase the commentary may kindly register with the following link or contact IAStructE Secretariat at iastructe@gmail.com

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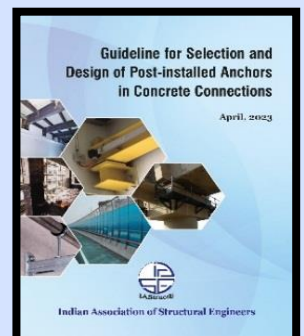
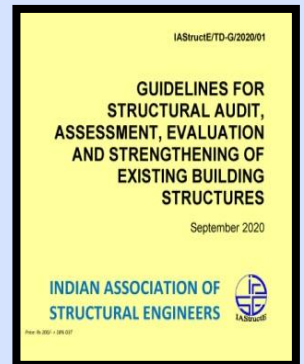
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Indian Association of Structural Engineers (IAStructE) is the national apex body of structural engineers in India established with the objective to cater to the overall professional needs of structural engineers. The association has become the source of expertise and information concerning all issues that involve structural engineering and public safety within the built environment. It has no commercial aim or objective. IAStructE is purely a professional learned society with the prime objective of supporting and protecting the profession of structural engineering by upholding professional standards and acting as a mouthpiece for structural engineers. IAStructE endeavors to ensure that its members develop the necessary skill in structural engineering and work to the highest standards by maintaining a commitment to professional ethics and standards within structural engineering. IAStructE strives for continued technical excellence; advancing safety and innovation across the built environment. It also strives to make available to the Government, Public Sector and Private Sector - a credible source of well qualified and experienced Structural Engineers. A nationwide database of Structural Engineers has been compiled and is being constantly updated. IAStructE undertakes a broad range of technical activities which are aimed at information sharing and capacity building. The association provides opportunity for all the members to develop various skills in structural engineering and helps members to be at the forefront of structural engineering practice. Towards achievement of its aims and objectives, IAStructE is engaged in organizing the following: CPD Courses for Professionals at all levels Refresher Courses for Fresh Graduate Engineers, Student's orientation program, Seminars/Workshops, Technical Lectures by Experts, Technical Discussions on Contentious Issues. IAStructE is currently operating from four regional centers. These regional centres located in the Eastern, Western, Northern and Southern parts of the country effectively cater to the professional needs of members residing/practicing all over the country.

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