

MESSAGE FROM THE PRESIDENT



Dear Friends,

Greetings!!

I am happy to share with you that all the newly formed committees have started functioning. Also, Vice Presidents of respective regions have taken the initiative to meet the association members and come up with the region-specific activities. To facilitate the same four region-wise WhatsApp groups have been created.

I am very happy to present to you the Newsletter of July 2023. You shall be happy to know that IAStructE is very actively engaged in conducting technical lectures, webinars, and publication of newsletters, CROSFALL & Structural Engineering Digest. All these activities have very rich technical content & are being appreciated by the fraternity. You may find details of such activities & publications in this newsletter and on our website.

Structural Engineering Digest (SED) April-June 2023 issue dedicated to the theme of "Liquid Retaining Structures" was released recently. The fourth issue of CROSFALL is getting ready and will be released soon. You may contribute any case study on structural failure or description of a near-miss case for publication in future issues. As you know, the identity of the reporter and the project will be kept confidential. It is purely for learning purposes. Our various technical committees are working hard to bring of technical documents relevant to the structural engineering fraternity.

An online "Lecture on Modeling the Dynamics of Tall Buildings under Winds: From Historical Perspective to Recent Advances and Beyond" by Prof. Ahsan Kareem, Robert M. Moran Professor of Engineering, Director, NatHaz Modeling Laboratory, University of Notre Dame, USA was organised on 7th July 2023. An Orientation programme related to the newly launched scheme, 'Accredited Structural Engineer IAStructE' was organised recently. I urge you to spread the word about it and encourage engineers to apply for accreditation.

Please send your feedback on our activities and suggestions for further improvements.

Best regards,



Prof. R. Pradeep Kumar
President-IAStructE

FROM THE EDITOR'S DESK



Dear Readers,

In this month's newsletter, we are pleased to share with you the information about the online lecture on Tall Buildings, as well as the third orientation session for accredited structural engineers conducted during this month. Additionally, we have included details about future events and welcomed new members who have joined our association.

We kindly ask all our members to help spread the word about the association's activities and actively participate in contributing to its growth.

Thank you for your continued support and engagement.

Thanks & Regards,



Prof. Visalakshi Talakokula

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Online Events:

➤ Online Lecture on Modeling the Dynamics of Tall Buildings under Winds

An online “Lecture on Modeling the Dynamics of Tall Buildings under Winds: From Historical Perspective to Recent Advances and Beyond” by Prof. Ahsan Kareem, Robert M. Moran Professor of Engineering, Director, NatHaz Modeling Laboratory, University of Notre Dame, USA was organized on 7th July 2023. It was moderated by Prof. R. Pradeep Kumar, President IAStructE and the vote of thanks was given by Prof. Shilpa Pal, Honorary Secretary, IAStructE. Prof. Prem Krishna were also there to give his experiences and insightfulness to the lecture.

YouTube link: https://www.youtube.com/live/Ga-jljkPQQ_g



Fig.1 Glimpses from online lectures

➤ Third session of Orientation programme related to scheme for Accredited Structural Engineer—IAStructE

The IAStructE program for Accreditation as “Accredited Structural Engineers (ASE – IAStructE)” was launched on 1st January 2023 for practicing structural engineers who have experience in the structural design field and have a good understanding of applicable design codes/standards in India.

To explain the details of steps involved IAStructE is organising orientation sessions. Two sessions have already been organized on "Key Attributes and Their Implications" and "IPD Form: How to fill it out as per the 12 Attributes". The following link will take you to the session's recording:

- Session 1 on Key Attributes: <https://www.youtube.com/live/KkVCEOIXbeo>
- Session 2 on IPD Form: <https://www.youtube.com/live/ATUgE4moyrw>

In continuation, the third session to provide the details of the Interview and Examination process of ASE-IAStructE program was organized on 28 July 2023. The session was led by Er. Abhijeet Kulkarni, FIAStructE & Project Principal & Country Director – Structures, Buro Happold. The following eminent structural engineers served as the panel's participants and interacted with them to respond to their questions.

Prof. Prem Krishna, Chairman, Professional Accreditation Committee & GC member IAStructE
 Er. Manoj Mittal, Imm. Past President, IAStructE
 Er. Alok Bhowmick, Past President, IAStructE
 Er. Umesh Rajeshirke, GC Member, IAStructE

YouTube link: <https://www.youtube.com/live/2wY8HuKrPeU>



Fig.2 Glimpses from the orientation meeting



Forthcoming Events:

Event	Topic	Speaker	Date & Timing
Expert Session by IAStructE CEPT Student chapter	Pervious Concrete – Can it Mitigate Some Effects of Climate Change? Registration Link: https://cept-ac-in.zoom.us/meeting/register/tZYtce-pqT4iHtB9dPWioUexKjsJG6rHDUzU	Dr. N Subramanian, PhD. FNAE Consulting Engineer, Maryland, USA	04 Aug 2023 at 06:30 PM

Message from IAStructE Social Media & Digitization Committee

Let's get "*****DIGITIZED*****"

With all new look of our website and media handles, 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

New Members:

"Fellow" Grade

M/S No	Name	Designation, Organization	City
F-543	Mr. Munish Dhawan	Lead Engineer at Fluor Daniel India Pvt. Ltd.	Gurugram

"Associate Member" Grade

M/S No	Name	Designation, Organization	City
AM433	Mr. Nilay Kirit Gandhi	Structural Design Engineer INFRACON	Vadodara
AM434	Mr. Anudeep Reddy Balamreddy	Chief Consultant at A7 Structural Consultants	Hyderabad

"Student Member" Grade

4 students: Delhi Technological University

1 student: Amity University, Chandigarh

1 student: Khaja Bandanawaz University



Call for IAStructE National Award Competition 2023

Call for Nominations: IAStructE is calling for nominations for the 2023-National Awards Competition. The nominations forms for various categories can be downloaded from the links given below. The last date for receipt of nominations is 31st October 2023.

Registration Link: <https://www.iastructe.co.in/iastructe-national-awards-2023.php>



Indian Association of Structural Engineers

IAStructE National Awards Competition 2023

Call for Nomination

The Indian Association of Structural Engineers (IAStructE) is a prominent national professional body of structural engineers in India dedicated to the overall development of structural engineering in India. Its activities & publications are known for rich & relevant technical contents. It represents the profession on policy matters. The National Awards Competition by IAStructE is held every year to recognize the contribution of structural engineers and to promote structural engineering excellence.

Nominations are invited for IAStructE National Awards Competition 2023 in the following Categories:

(Instructions & Terms are given in the nomination forms of each category)

1. OUTSTANDING STRUCTURE OF THE YEAR (Two Awards)
 - i) Buildings: Residential, Commercial, Industrial, Hospitals, Schools etc.,
 - ii) Structures other than buildings: Bridges, Large span space structures for sports, exhibitions etc, Industrial structures, Hydraulic Structures, Monuments, Tall towers etc.
2. OUTSTANDING STRUCTURAL ENGINEER AWARD (One Award)
3. OUTSTANDING WOMAN STRUCTURAL ENGINEER AWARD (One Award)
4. PROMISING YOUNG STRUCTURAL ENGINEER AWARD (One Award)
5. BEST MASTER'S THESIS IN STRUCTURAL ENGINEERING (One Award)

(Download nomination forms from the link given below - Kindly read instructions carefully before submission)

<http://iastructe.co.in/iastructe-national-awards-2023.php>

The Awards

- All Awards shall consist of a Plaque along with a Certificate & Citation. The Best Master's Thesis Awardee will also get a cash prize of Rs. 20,000/-.
- The Award Winners can use the IAStructE logo on their print and promotion material by mentioning the year of the award and the name of the Indian Association of Structural Engineers.
- The Jury can cancel or alter the number of awards as stipulated above.

**Last date of receipt
of nominations
31st October 2023**



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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. 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.*

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 papers/ case studies for the forthcoming issue of the Structural Engineering Digest on the theme “**Structural Safety Audit**” for the July-September 2023 issue. Mr. Manoj Mittal, Immediate Past President will be the guest editor.

Interested professionals/ academicians/ researchers may send the full paper along with abstract, their photograph and brief resume by 20th August 2023 or at the earliest convenience.

Sub-Themes:

- Aim/objectives/types of structural safety audits
- Regulatory/policy & byelaws-related issues
- Methodology & reporting including code compliance.
- Professional liability issues in structural audits & certification
- Challenges & Pitfalls in Conducting Structural Safety Audits
- Modern diagnostic & computation tools for structural safety audits
- Standard structural audit templates for diverse types of structures
- Current practices in structural safety audits in India & other countries
- Structural Safety Audits of important & complex structures

Interested authors/contributors may kindly mail to iastructe@gmail.com regarding i) Broad guidelines and areas of coverage; ii) size of the article; iii) format of paper submission. As per the laid down procedures all the Papers shall be published after peer review & approval of SED editorial board. Being a member of IAStructE is not necessary for publishing in SED. Papers may be in the form of case studies, new research, opinion, experiences and on policy.

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

IAStructE Publications:

1. 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

IAStructE/TD-CC/2020/02	IAStructE/TD-CC/2020/01
<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES SECTION II : LOADS & LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 2 OF 2 : ILLUSTRATIVE WORKED EXAMPLE</p>	<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES SECTION II : LOADS & LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 1 OF 2 : COMMENTARY</p>

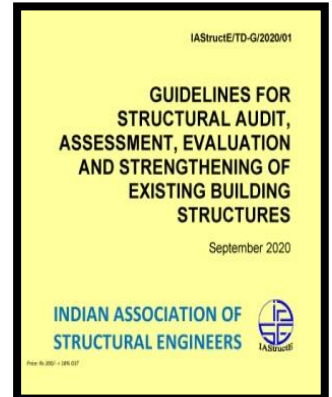
It's a priced document and hence not freely downloadable.

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 this amount. Interested

professionals who wish to purchase the commentary may kindly register with the following link or contact IAStructE Secretariat at iastructe@gmail.com

Registration link: <http://iastructe.co.in/new-iastructe-publication.php>.

2. Guidelines for Structural Audit, Assessment, Evaluation and Strengthening of Existing buildings Structures: This document will guide structural engineers in proper assessment of building structures before issuing structural stability certificate. These guidelines may be used by IAStructE members, all other structural engineers, house owners, housing society welfare associations, clients and corporation engineers for understanding structural audit of the private and public building structures. The Guideline focuses on the urgent need to strengthen risk resilience of buildings from any kind of risks due to earthquake and other hazards. It is hoped that this document will be useful to ensure that all structures across the country remain safe from any kind of disaster risk.



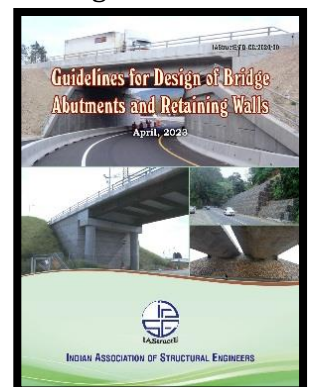
It's a priced document and hence not freely downloadable.

The price of this e-document is Rs 200/-. Interested professionals, who wish to obtain the soft version of the Guideline in pdf format, may register with the following link. Registration Link: <http://iastructe.co.in/guidelines-for-structural-audit.php>

3. Commentary on IS: 13920: The commentary is available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.

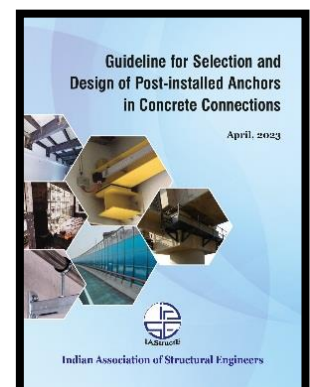
4. Commentary on IS: 1893 Part 1: The commentary is available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.

5. 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

6. Guideline for Selection and Design of Post-installed Anchors in Concrete Connections: In this document, only post-installed anchors are covered including their types, behaviour and working principles, failure modes, basic design steps for non-seismic and seismic situations. A few illustrative design examples too are presented for better understanding of design methodology. This document is now available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.



Accredited Structural Engineers (ASE – IAStructE)

The IAStructE program for Accreditation as Accredited Structural Engineers (ASE – IAStructE) is suitable for practicing structural engineers who have experience in the structural design field and have a good understanding of applicable design codes/standards in India.

This accreditation will help Structural Engineers in India to set a benchmark of proven professional & technical excellence and raise the levels of 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. Applicants have to demonstrate their competence in the designated 12 key attributes on which they will be assessed during the interview. The applicant would then require to clear the examination by answering any single chosen question from the options given in the question paper with a minimum level of marks stipulated. 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

Details of the application and assessment requirements, fees, and available dates can be consulted in the relevant fields given in the tabs below. They summarize the general application process, the assessment requirements, and the steps needed to qualify for the ASE-IAStructE accreditation.

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.

IAStructE Library

IAStructE has set up a library at K-69 A, Basement Kalkaji, New Delhi. It has a collection of good technical books and journals related to civil & structural engineering. Members staying in the vicinity are encouraged to utilize this facility, and if you want to contribute your books and journal to the library you are always welcomed.



IAStructE Library



About IAStructE

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.

Membership Benefits

Membership of IAStructE is a sought after professional accreditation. Your membership of IAStructE can help you enhance your intellectual, academic, technical and professional status. It provides inter connectivity to the fellow professionals and the fraternity. Some of the benefits of membership is provided below:

- ★ Complimentary magazine subscription: All members (except Student Members) receive a complimentary subscription to the Institution's flagship publication 'Structural Engineering Digest' (SED). Published quarterly, each issue allows members to remain connected to the association through the provision of technical papers, Industry and Institution News, Featured articles, Professional Guidance on everyday matters affecting the practicing structural engineers.
- ★ Access to the professional documents
- ★ Access to all Technical Lectures, organized every month, at no charge
- ★ Access to Technical Discussions held regularly
- ★ Access to the association's library (Including e-library)
- ★ Discounts in attending Seminars and Workshops organized by the association
- ★ Full on-line access to the current volume and entire e-archive of journal "Structural Engineering Digest (SED)", Refresher Course Materials, Technical Lectures, E-Newsletters and other Technical Resources of the Association.
- ★ Opportunity to network with professional structural engineers of eminence and to meet potential employers in the association.
- ★ Opportunities for professional development

How to become a member?

Membership form and details are available at <https://www.iastructe.co.in/membership-grades.php>; for more information and other details contact the Indian Association of Structural Engineers Secretariat.

Indian Association of Structural Engineers

K-69A, Basement, Kalkaji, New Delhi 110019

Tel: (011) 45794829; Email:iastructe@gmail.com; Website: www.iastructe.co.in

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