



MESSAGE FROM THE PRESIDENT



Dear Fellow Engineers,

Hope you are fine and keeping safe. Omicron is still very much present, and we must keep our guards up. Your association is continuously progressing on every front. However, we believe we can do much better. I solicit your suggestions, feedback, and concrete support for reinforcing our efforts. During the month of January 2022 despite disruptions caused by sudden emergence of Omicron variant of Corona virus your association could organize some good events and completed all regular activities as per schedule. Our secretariat and all members of governing council deserves great appreciation.

Two webinars “Use of Modular Pre-Engineered Bridge systems” & “Fire safety for Buildings” were organized in online mode. Both were highly informative and very well attended. Some interesting & useful events have been planned in the month of February & March. One of the events on ‘Engineering in climate Emergency’ is being organized jointly with Institution of Structural Engineers. Details are available in this newsletter. You must join these events and encourage others for the same. I am incredibly happy to inform you that Oct-Dec issue of SED dedicated to the theme of “Durability of structures” has been published and sent to members. Hope you will find it useful. Next issue of SED is on the theme of “Precast & Prefabricated structures” with Dr. Gaurav Rastogi as its Guest editor. You may like to contribute a paper or case study for the same. You may also send advertisements of your organizations for the Newsletter & SED. Advertisement tariffs are also available in this newsletter. For more information you may contact the IAStructE secretariat.

Looking forward to your active support.

Best regards

Manoj Kumar Mittal
President-IAStructE

FROM THE EDITOR'S DESK



Wishing all the readers a Happy, prosperous and Healthy New Year 2022!!

The details of the webinars conducted in this month, along with the proposed activities planned are presented in this issue. Request all our readers to follow, subscribe and like

IAStructE events on all digital platforms.

Thanks & Regards,

Dr. Visalakshi Talakokula

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WEBINARS/ EVENTS CONDUCTED

1. Webinar on "Use of Modular Pre-Engineered Bridge Systems on Permanent, Emergency and Temporary Applications"

The webinar on "Use of Modular Pre-Engineered Bridge Systems on Permanent, Emergency and Temporary Applications" was organized on 13th January 2022 through Zoom.

Speaker: Mr. John Brain, PE, M.ASCE, Chief Engineer, Acrow(USA)

Moderator: Lt. Gen. S. Ravi Shankar (Retd.), President, ICT Pvt. Ltd

Panelist: Prof. Mahesh Tandon, FNAE, Int. PE (India), Past President & GC member IAStructE

Mr. Alok Bhowmick, Chairman, Professional Development & Technical Events Committee and Immediate Past President IAStructE welcomed all the participants & speakers

The webinar can be viewed at the following link: <https://youtu.be/mogjUxDapAY>



Fig.1. Glimpses from the webinar

2. Webinar on "Fire Safety for Buildings: An Overview from perspective of Structural Engineer"

The webinar on "Fire Safety for Buildings: An Overview from perspective of Structural Engineer" was organized on 29th January 2022 through Zoom.

Speaker: Ms. Anamika Kadam, DGM-Civil, L & T Construction Pvt. Ltd. & GC member IAStructE

Moderator: Dr. Shilpa Pal, Associate Professor, DTU & GC Member, IAStructE

Vote of thanks given by Mr. Manoj Mittal, President IAStructE

The webinar can be viewed at the following link: <https://youtu.be/B9NdwgS5qyk>



Fig.2. Glimpses from the webinar

FORTHCOMING EVENTS

| Event | Topic | Speaker | Date & Timing |
|---|---|--|--|
| Webinar by IAStructE CEPT student chapter | Tunneling: technology and challenges Registration Link: https://us06web.zoom.us/j/81234567890 | Dr. Manoj Verma, Tunneling & Rock Engineering Expert; and President, ISRM Commission | 4th February 2022 at 05:00 PM (IST) |
| Joint Event of IAStructE & IStructE, UK | Engineering in a climate emergency Registration link: https://www.istructe.org/events/india/engineering-in-a-climate-emergency/ | Dr. Mike Cook FIStructE, visiting Prof. Imperial College and Chair Seratech Ltd. Mr. Will Arnold MIStructE, Head of Climate Action at The Institution of Structural Engineers | 10 th February 2022 at 06:00 PM (IST) |
| Half day Online Course | Ethics & Professional Practice in Structural Engineering Registration link: https://us02web.zoom.us/j/90123456789 | Prof. Mahesh Tandon Mr. Manoj Mittal Mr. Alok Bhowmick | 11 th February 2022 from 03:00 PM - 06:00 PM (IST) |
| Online Workshop | Assessment, Repair & Rehabilitation of Bridges <i>Details shall be announced shortly</i> | Eminent Experts from India & abroad are being invited for making the presentations | 18 th March 2022 to 18 th April 2022 (every Friday from 03 PM to 06 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

CALL FOR PAPERS FOR THE THEME BASED ISSUE OF SED JOURNAL

SED Editorial Board invites article contributions for the forthcoming issue of the Structural Engineering Digest on the following themes, which shall be published in e-book format. Details are as under:

January – March 2022 issue: Theme: Precast and Prefabricated Structures

Guest Editor-Dr. Gaurav Rastogi, GC Member IAStructE & Proprietor – Gaurav & Associates

Sub-themes:

- Environmental impact on precast concrete structures
- Precast concrete structures
- Prefabricated structures
- Performance of precast structures
- Performance of precast structural connections
- Achieving sustainability with precast concrete
- prefabrication
- Eco-efficiency and building optimization, potential of prefabricated structures

Interested professionals may send the abstract along with their photograph and brief resume by end of January 2022 and full paper by end of February 2022 or at the earliest convenience.

April – June 2022 issue: Theme: Precast Segmental Bridges - State of The Art

Guest Editor- Mr. Alok Bhowmick, Immediate past President IAStructE

Sub Themes:

- Planning & Conceptual Design
- Construction
- Bridge Deck Erection Issues
- Detailed Design Considerations
- Failure Case Studies
- Rehabilitation Case Studies
- Structural Health Monitoring & Maintenance Issues
- Casting, Handling and Storing Precast Segments in Casting Yard

Interested professionals may send the abstract along with their photograph and brief resume by end of January 2022 and full paper by end of March 2022 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.

Interested authors/ contributors may kindly mail to iastructe@gmail.com regarding i) Broad guidelines on areas of coverage; ii) size of the article; iii) format of paper submission.

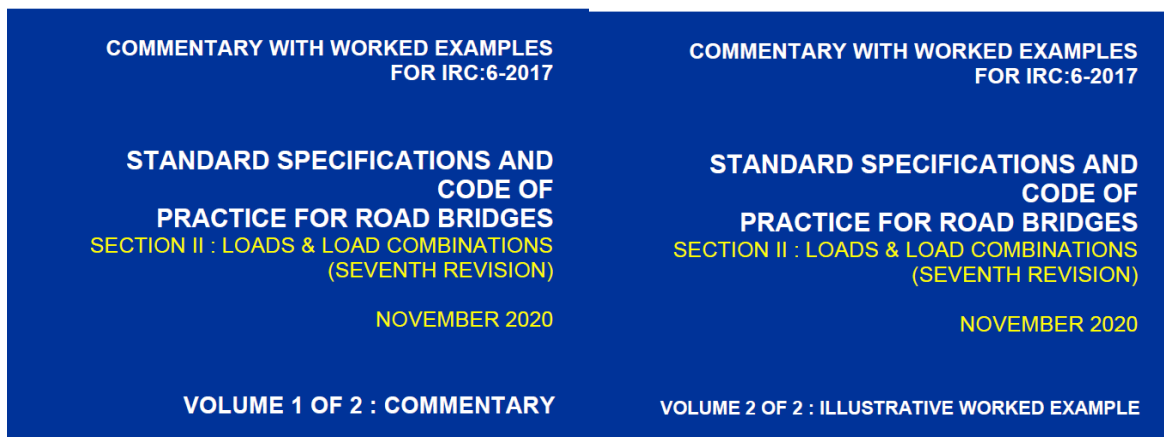
As per the laid down procedures all the papers shall be sent to the referee for review and the comments will be informed to the authors for incorporating the same. Papers shall be published after peer review & approval of SED editorial board.

IAStructE PUBLICATIONS

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/2020/01

IAStructE/TD-CC/2020/02

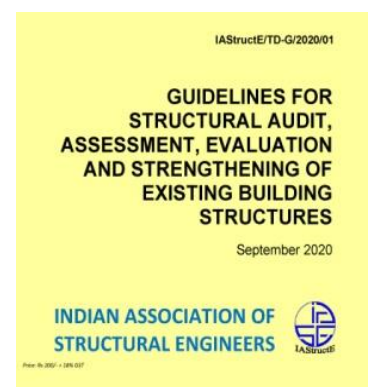


It's a priced document and hence not freely downloadable.

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.

NEW MEMBERS

“Fellow” Grade

| <i>M/S No</i> | <i>Name</i> | <i>Designation, Organization</i> | <i>City</i> |
|---------------|------------------------|---|-------------|
| F-508 | Prof. Achyut Ghosh | Individual Consultant & Prof & Member BOS Dept of Const'n Engg, Jadavpur University | Kolkata |
| F-509 | Mr. Lokesh Kumar Tyagi | Managing Director LKT Engineering Consultants Ltd | New Delhi |
| F-510 | Mr. Varghese A. Johns | Vice President (Technical) Geo Structurals (P) Ltd | Kerala |

“Member” Grade

| <i>M/S No</i> | <i>Name</i> | <i>Designation, Organization</i> | <i>City</i> |
|---------------|--------------------------|--|----------------|
| M-324 | Mr. Atul Alex | Sr. Structural Engineer / Director WVA Consulting Engineers Pvt Ltd | Kerala |
| M-325 | Mr. Nithin Wilson | Sr. Structural Engineer / Director WVA Consulting Engineers Pvt Ltd | Kerala |
| M-326 | Mr. Romy Mohan | Sr. Structural Engineer / Director WVA Consulting Engineers Pvt Ltd | Kerala |
| M-327 | Mr. Praveen Kumar Pathak | Deputy Chief Project Manager, DFCCIL | Prayagraj (UP) |

“Associate Member” Grade

| <i>M/S No</i> | <i>Name</i> | <i>Designation, Organization</i> | <i>City</i> |
|---------------|-------------------|--|-------------|
| AM-353 | Mr. Shounak Mitra | Head - Codes & Approvals (Fastening Systems), Hilti India Pvt Ltd | Kolkata |

“Student Member” Grade

| | | |
|-------------------|---|---------------------------------------|
| Two Students | - | IIT (ISM) Dhanbad |
| Two Students | - | Graphic Era (Deemed to be university) |
| One Student | - | M.S. University of Baroda |
| Nineteen Students | - | IIIT Hyderabad |

ADVERTISEMENT TARIFFS

Structural Engineering Digest (being published in PDF format)

| | <i>Rates Per issue</i> | <i>Discounted rate at 20% for 4 consecutive issues</i> | <i>Advertisement Size</i> |
|-----------|------------------------|--|---------------------------|
| 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)

- **Half page** : Rs. 7,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking.
- **Full page** :Rs. 10,000 per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking.



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 <http://www.iastructe.co.in/membership-form.html> ; For more information and other details contact the Indian Association of Structural Engineers Secretariat