



ISSC 2027

Indian Structural Steel Conference - 2nd Edition

Engineering next-generation steel structures through intelligence and innovation

Date: 16–19th February 2027

Venue: Indian Institute of Technology Hyderabad

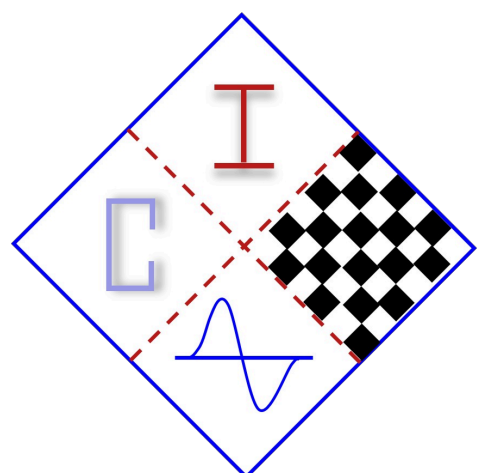


Indian Structural Steel Conference (ISSC 2027) is organized by the Structural Steel Research Group, Department of Civil Engineering of IIT Hyderabad. ISSC 2027 focuses on Structural Steel and its applications. It is to be held from 16-19 Feb, 2027, in IIT Hyderabad.

ISSC 2027 is intended for designers and manufacturers, trade associations, design engineers, steel fabricators, architects, and owners or developers of steel structures. The program brings together industry professionals, researchers, academics, and postgraduate students. It provides a platform for knowledge sharing and discussion on current practices and developments in steel construction.

Conference Highlights

- International keynote speakers
- Industry–academia collaboration
- Technical sessions & workshops
- Student paper awards
- Networking & industry interaction



Structural Steel Research Group

Organized by:
Structural Steel Research Group,
Department of Civil Engineering,
Indian Institute of Technology Hyderabad



Keynote Speakers



Prof. Leroy Gardner

Imperial College London, England



Prof. Tan Kang Hai

NTU Singapore



Prof. Richard Liew

NUS Singapore



Prof. Mahen Mahendran

QUT, Australia



Prof. Chan Tak Ming

HKU, Hong Kong SAR



A/Prof. Cao Hung Pham

USYD, Australia



Prof. Kim Rasmussen

USYD, Australia



Prof. Dipti Ranjan Sahoo

IIT Delhi, India



Prof. Brian UY

UNSW, Australia



Prof. Amit H. Varma

Purdue University, Indiana, US



Prof. Ben Young

The Hongkong PolyU,
Hongkong SAR



Prof. Ronald Ziemian

Bucknell University,
Pennsylvania, USA

Aim and Scope of the ISSC

Steel structures constitute a broad and multidisciplinary domain that spans multiple branches of construction engineering and incorporates a wide range of materials combined with steel to form composite structural systems. Structural steel finds extensive application across diverse sectors, including construction, automotive, aerospace, and marine industries. Continuous progress in this field relies on the development of innovative structural materials and technologies, along with advanced computational tools and evolving design standards. Furthermore, construction engineers play a crucial role in ensuring the continued performance of existing structures under changing load demands and functional requirements, highlighting the growing need for sustainable and effective retrofitting and strengthening techniques.

In this context, ISSC 2027 aims to provide a dedicated platform for researchers, designers, construction engineers, steel manufacturers, and consultants from diverse backgrounds who face common technical challenges. The conference seeks to foster a collaborative and engaging environment for the exchange of ideas and dissemination of recent advancements in the analysis, behavior, design, and construction of steel structures. Participants are warmly invited to attend ISSC 2027, which will be hosted by the Indian Institute of Technology (IIT) Hyderabad, India.

The Scientific Committee of ISSC 2027 invites high-quality research contributions within, but not limited to, the following thematic areas:

- State-of-the-art and state-of-the-practice developments in structural engineering
- Integration of theory and practice in structural modeling and design
- Innovative analytical, computational, and experimental simulation methodologies
- Development of novel structural systems and critical evaluation of existing systems
- Advanced techniques for maintenance, rehabilitation, retrofitting, and structural health monitoring
- Investigation of engineering material properties and their influence on structural performance

ISSC 2027 is expected to significantly contribute to future research and development initiatives across all the aforementioned areas.



About the Venue, IIT Hyderabad (IITH):

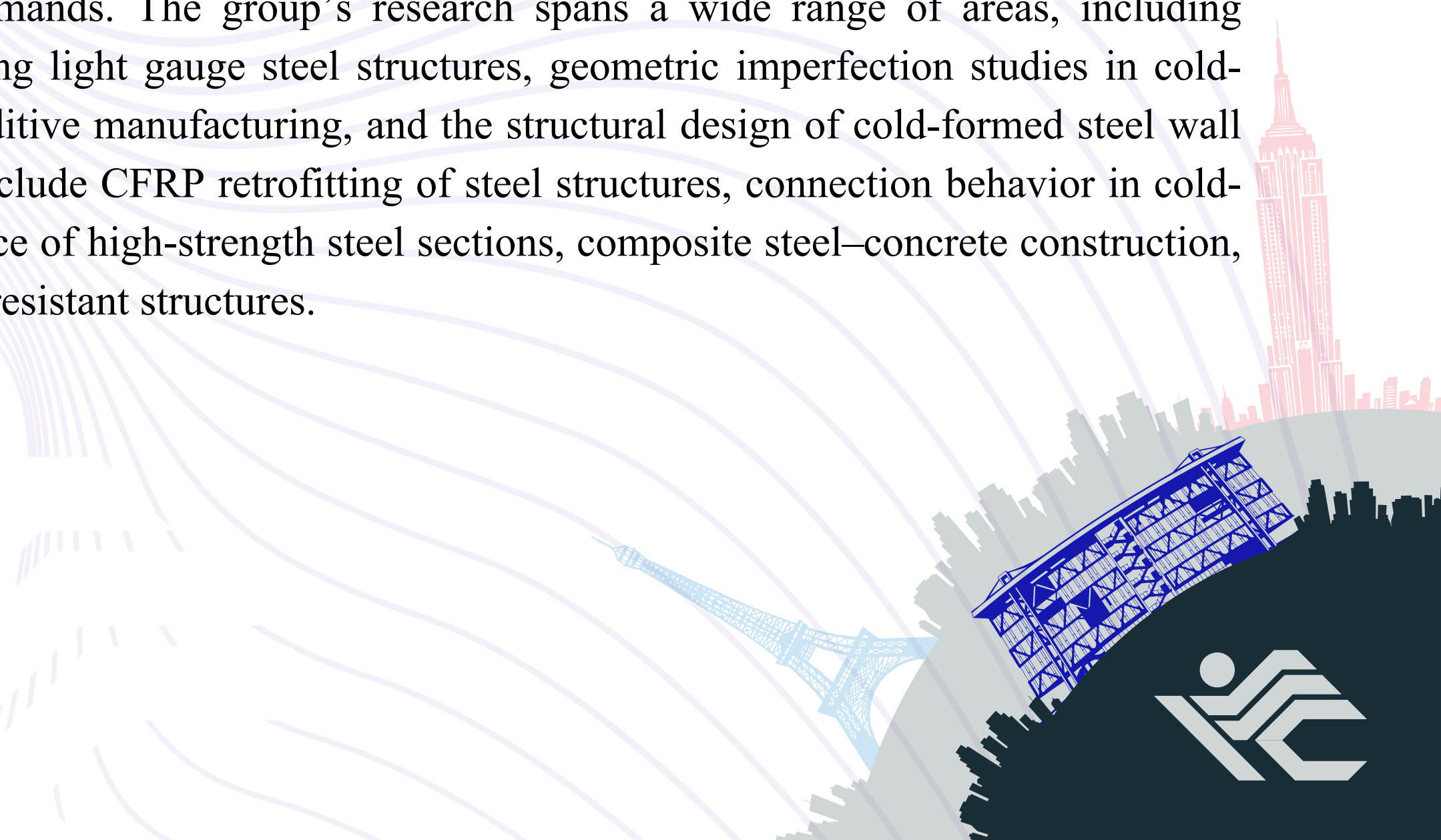
The Indian Structural Steel Conference - 2nd Edition (ISSC 2027) being organised at IITH, Kandi, Sangareddy, Telangana, from February 16-19, 2027.

Established in 2008, IITH has been among the top 10 Indian engineering institutions in the National Institute Ranking Framework (NIRF) ever since NIRF was launched. It is ranked 8 among India's engineering institutions and ranked 3 in Innovation for the last two years. It has 325+ full-time faculty, ~5,250+ students (PG+PhD students being 60%), 560+ state-of-the-art research facilities. The institute has a substantial research focus with Rs. 1,500+ Cr of sanctioned research funding (Rs. 335+ Cr in 2024-25), 11,700+ research publications with 2,15,000+ Citations, 500+ Patents (210+ patents in 2024), and 260+ startups that have generated 1,100+ jobs and a revenue of Rs. 1,500+ Cr.

IITH has identified key thrust areas, including AI/ML, Energy, Future communications, Autonomous navigation & smart mobility, Healthcare, Semiconductors & Devices, Advanced Materials, Critical Minerals, Climate Change & Sustainability, Additive manufacturing, Catalysis, Sensors, Computation engineering, and Polymer engineering. The institute houses state-of-the-art facilities, including India's first Testbed for autonomous vehicles (TiHAN), India multiple incubators for startup support, 9 major Centres of Excellence (CoEs), including DRDO-Industry-Academia (DIA) CoE, DST SATHI Centre for in-situ and Correlative Microscopy, and established academic & research collaborations with leading national and international institutions. The institute is a beacon of academic excellence and a catalyst for research and innovation, playing a pivotal role in shaping the technological landscape of India and the world. The researchers at IITH took an early lead in 6G research. IITH established a ground-breaking Raindrop Research Facility (RRF) to estimate raindrop size distribution for precise rainfall prediction. Celebrating National Science Day, IITH established an 'Advanced Dark Sky Observatory' for multidisciplinary research.

About SSRG, IITH

The Structural Steel Research Group (SSRG) at IIT Hyderabad is led by Prof. Mahendrakumar Madhavan, Professor in the Department of Civil Engineering, IIT Hyderabad. The Structural Steel Research Group (SSRG) is dedicated to advancing the sustainable and innovative use of structural steel to address global infrastructure demands. The group's research spans a wide range of areas, including affordable housing solutions using light gauge steel structures, geometric imperfection studies in cold-formed steel members, metal additive manufacturing, and the structural design of cold-formed steel wall panels. Additional focus areas include CFRP retrofitting of steel structures, connection behavior in cold-formed steel sections, performance of high-strength steel sections, composite steel-concrete construction, and the development of cyclone-resistant structures.



Conference Timeline

Commencement of
short paper submission

28th Feb
2026

30th June
2026

Commencement of
early-bird registration

Short paper submission
deadline

31st July
2026

31st Aug
2026

Notification for short
paper acceptance

Early-Bird Registration
deadline

30th Sep
2026

16th-19th
Feb 2027

Conference dates



Key topics

- Advanced analysis, Machine learning in engineering design and construction
- Bridges and footbridges
- Cold-formed structures
- Composite structures
- Digitalization in structural engineering
- Dynamics and vibration
- Fatigue and fracture
- High-strength, stainless and other special steels
- Joints and connections
- Towers and masts, offshore structures, tanks and silos
- Metal additive manufacturing
- Novel structural solutions
- Reuse and retrofitting of structural elements
- Robustness and progressive collapse
- Safety and reliability assessment
- Stability and ductility of members and frames, plates and shells
- Structures subjected to extreme events such as Wind, Fire and Seismic
- Sustainability assessment and design

ORGANISING COMMITTEE



Organising Secretary

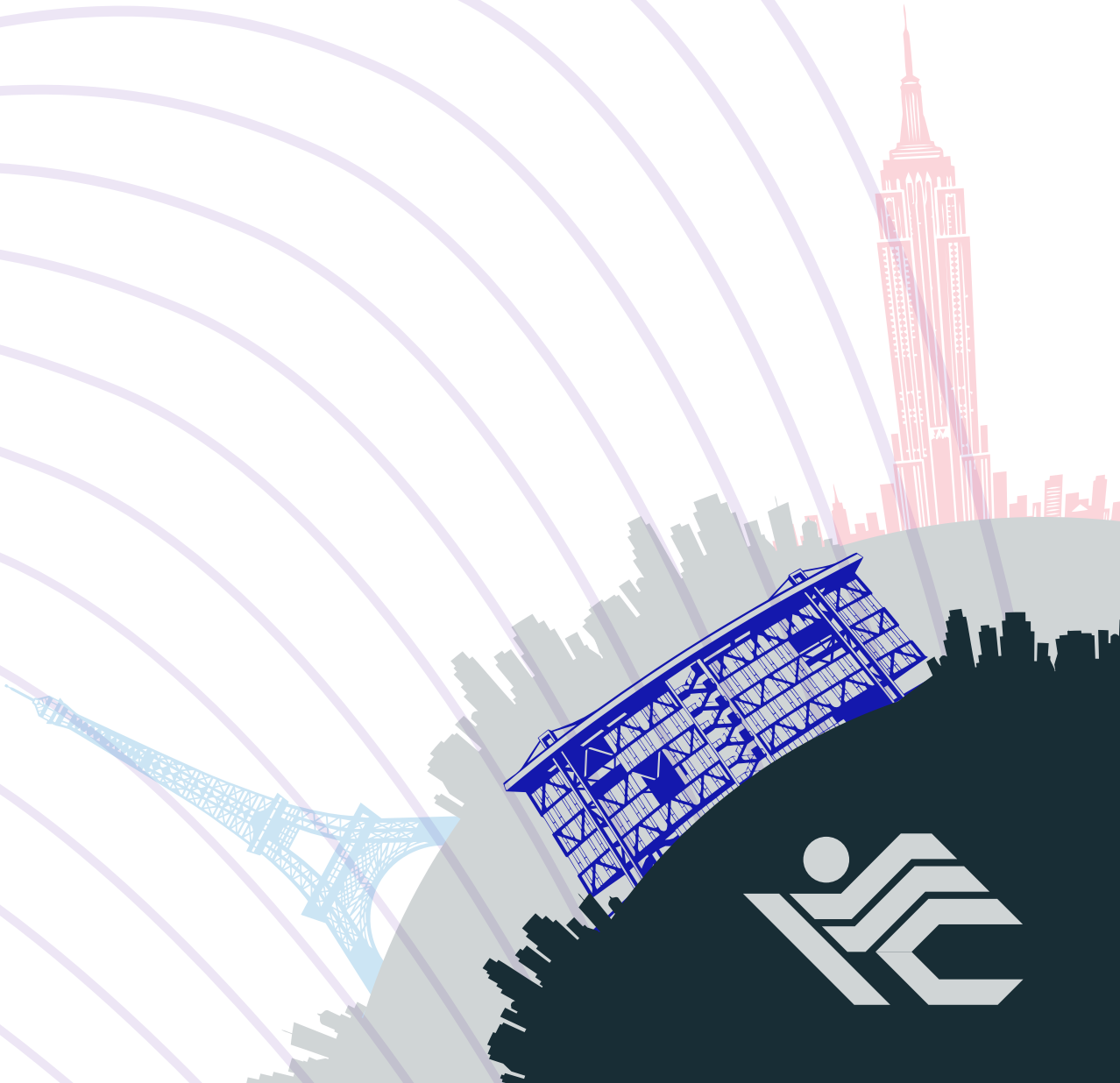
Prof. Mahendrakumar Madhavan

Ph.D., P.E., C.Eng., F.SEI., FICE., F.ASCE., FIStructE
Dean Alumni and Corporate Relations,
Professor, Department of Civil Engineering,
IIT Hyderabad



REGISTRATION FEES

Category	Early Bird Registration (Before September 30th, 2026)	Registration (After September 30th, 2026)
Students (Full time only)	₹6,000 + GST	₹8,000 + GST
Academicians	₹12,000 + GST	₹14,000 + GST
Industrialists	₹15,000 + GST	₹18,000 + GST
International Delegates	500 USD + GST	600 USD + GST
Accompanying person	₹5,000 + GST	₹6,000 + GST



Sponsorship Opportunities

We are honored to invite you to be a part of our upcoming conference as a sponsor. Don't miss this opportunity to elevate your brand and connect with industry leaders. Secure your sponsorship package today and position your organization as a key supporter of our conference. Details of various sponsorship opportunities and benefits are as below.

Sponsorship and Exhibition		Privileges	
Category	Amount (INR)	Complimentary Registration	Others
Platinum	₹ 25,00,000	10	• Stall Area of 12 m² • One-page color advertisement in Souvenir • Banner publicity as Platinum Sponsor • Logo Display on the Website • Virtual Event Platform Access
Diamond	₹ 20,00,000	7	• Stall Area of 9 m² • One-page colour advertisement in Souvenir • Banner publicity as Diamond Sponsor • Logo Display on the Website • Virtual Event Platform Access
Gold	₹ 10,00,000	5	• Stall Area of 6 m² • One-page color advertisement in Souvenir • Banner publicity as Gold Sponsor • Logo Display on the Website • Virtual Event Platform Access
Silver	₹ 8,00,000	3	• One page color advertisement in Souvenir • Banner publicity as Silver Sponsor • Logo Display on the Website • Virtual Event Platform Access
Gala Dinner Sponsor	₹ 25,00,000	10	• Banner Publicity as Conference Gala Dinner Sponsor • Access for standee display at dinner venue
Conference Dinner Sponsor	₹ 20,00,000	7	Banner publicity as Conference Dinner Sponsor
Cultural Programme Sponsor	₹ 10,00,000	4	Banner and Backdrop screen publicity as Conference Cultural Programme Sponsor
Conference Lunch Sponsor (3 Sponsors)	₹ 10,00,000	4	Banner publicity as Conference Lunch Sponsor



BANK DETAILS FOR ONLINE TRANSFER

Account Name	IITH CCE
Account Number	120000769411
Bank Name	CANARA BANK, IIT Hyderabad, Kandi
IFSC Code	CNRB0003458
SWIFT Code	CNRBINBBBFD
GST Number	36AAAAI2661J1ZP
PAN Number	AAAAI2661J

