1ST ANNOUCEMENT

SRD INTERNATIONAL SYMPOSIUM ON ADVANCES IN STEEL & COMPOSITE STRUCTURES

Shaping Tomorrow's Skylines: Insights and Breakthroughs in Steel & Composite Structures



PARKROYAL ON BEACH ROAD

7500 Beach Road, Singapore 199591



9AM - 5PM

PDU/STU/CP To be advised

SYNOPSIS

Recent advancements in the design and construction of steel-concrete composite structural steels have transformed the building and infrastructural work. It is important for researchers and practitioners to stay abrest of these developments in view of the huge opportunities presented in infrastructure construction in Singapore and the Asia Pacific Region. Steel and composite construction is often adopted in high-rise buildings, large span structures and infrastructural work due to their high structural efficiency with respect to high strength-to-weight ratio as well as their robustness against instability and accidental loads.

This International Symposium serves as a platform for renowned researchers and engineers to disseminate their new findings on advanced design and construction technology of steel and composite structures. International experts from Singapore, Japan, Korea, Hong Kong and China have been invited to share their knowledge and experience in steel and composite design and construction.

The 2nd edition of the design guide book for "Semi-rigid Composite Joints and Beams" will be launched and distributed to all participants during the Symposium. The new design guide covers various types of semi-rigid joints including steel beams connecting to reinforced concrete primary beams, beam-to-column joints, and beam-to-reinforced concrete wall joints. Jointly developed by BCA, NUS and SSSS, the guide book will empower structural engineers with the knowledge and confidence to utilize semi-rigid composite joints, potentially reducing construction time and costs while upholding necessary levels of structural and serviceability performance.



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3RD INTERNATIONAL SYMPOSIUM ON ADVANCES IN STEEL & COMPOSITE STRUCTURES

Thursday, 28 March 2024, 9am to 5pm Parkroyal on Beach Road

REGISTRATION FEES

Category	Early Bird (on or before 12 March 2024)	Standard (13 March 2024 onwards)
SSSS Members	\$300	\$380
Non-members	\$400	\$480

Registration fees includes:

- Lunch and coffebreaks
- 1 copy of 2nd edition Design Guide on Semi-rigid Composite Joints & Beams

ORGANISING COMMITTEE

Chair :

Dr Tran Chi Trung, Building & Construction Authority

Committee Members :

- Prof Richard Liew, National University of Singapore
- Prof Pang Sze Dai, National University of Singapore
- Dr Ng Yiaw Heong, TTJ Design & Engineering Pte Ltd





SPONSORSHIP OPPORTUNITES

If you are interested to sponsor the symposium, please contact the Secretariat

- Conference Sponsor \$10,000
- Lanyard Sponsor \$5,000
- Table-top Exhibitor \$3,000
- Others ...



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OUR SPEAKERS



YUICHI NISHIDA & MASAKI ARITA Nippon Steel Corporation

Topic 1: New Design Guide for Semi-rigid Composite Joints & Beams



CHUNG KWOK-FAI The Hong Kong Polytechnic Unive

Topic 3: Effective Use of HighStrengthS690SteelinConstruction - Are We Ready?



OUYANG YUANWEN Shanghai Jianke Aluminium Stri Engineering Research Institute

Topic 5: Innovative Practice in New Large-Span Spatial Structures and Integrated Complex Skin Technology



SAMUEL WANG KTP Consultants Pte Lt

Topic 7: SJ Campus - Trophy Winner for Most Innovative Project at Structural Steel Excellence Awards 2023



TAN KANG HAI Nanyang Technological University

Topic 9: Development of Precast Concrete-Encased Concrete-Filled Steel Tube (CECFST) System



PANG SZE DAI National University of Singapore

Topic2:AdvanceinJointingTechnologytoDriveGreaterProductivity in Steel Construction



LEE SEUNG-HWAN SEN Engineering Group

Topic 4: New Developments of Innovative Pre-fabricated Composite Structure HMB (Hybrid Mounting Bracket) System



TAN YIZHOU ArcelorMittal Singapor

Topic 6: Green Steel for Low Embodied Carbon Projects



CHIEW SING PING Singapore Institute of Technology

Topic 8: High Performance Pre-
EngineeredSteel-ConcreteComposite Beams for Sustainable
Construction



KUNIHIRO IITANI JFE Steel Asia Pte Lt

Topic 10: High Strength Steels & Applications

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BRD INTERNATIONAL SYMPOSIUM ON ADVANCES IN STEEL & COMPOSITE STRUCTURES

Thursday, 28 March 2024, 9am to 5pm Parkroyal on Beach Road

PROGRAMME

8.30am	Registration	
9.00am	Opening Address by Er Thanabal Kaliannan, Group Director & Commissioner of Building Control, Building and Construction Authority	
9.10am	New Design Guide for Semi-rigid Composite Joints and Beams by Mr Yuichi Nishida & Mr Masaki Arita, Nippon Steel Corporation	
9.40am	Advance in Jointing Technology to Drive Greater Productivity in Steel Construction By Prof Pang Sze Dai, National University of Singapore	
10.10am	Coffee Break	
10.45am	Effective Use of High Strength S690 Steel in Construction – Are We Ready? By Prof Chung Kwok-Fai, The Chinese National Engineering Research Centre for Steel Construction (HK Branch), The Hong Kong Polytechnic University	
11.15am	New Developments of Innovative Pre-fabricated Composite Structure HMB (Hybrid Mounting Bracket) System By Mr Lee Seung-hwan, SEN Engineering Group	
11.45am	Innovative Practice in New Large-Span Spatial Structures and Integrated Complex Skin Technology By Mr Ouyang Yuanwen, Shanghai Jianke Aluminium Structure Engineering Research Institute	
12.15pm	Q&A Session & Presentation of Token of Appreciation to Speakers	
12.45pm	Lunch	
1.45pm	Green Steel for Low Embodied Carbon Projects By Mr Tan Yizhou, ArcerlorMittal Singapore	
2.15pm	SJ Campus – Trophy Winner for Most Innovative Project at Structural Steel Excellence Awards 2023 By Mr Samuel Wang, KTP Consultants Pte Ltd	
2.45pm	High Performance Pre-Engineered Steel-Concrete Composite Beams for Sustainable Construction By Prof Chiew Sing Ping, Singapore Institute of Technology	
3.15pm	Coffee Break	
3.45pm	Development of Precast Concrete-Encased Concrete-Filled Steel Tube (CECFST) System By Prof Tan Kang Hai, Nanyang Technological University	
4.15pm	High Strength Steels & Applications By Mr Kunihiro litani, JFE Steel Asia Pte Ltd	
4.45pm	Q&A Session	
5.15pm	Closing Remarks & Presentation of Token of Appreciation to Speakers	
	End of Symposium	