

2nd International Symposium on

Advances in Steel and Composite Structures

Friday, 16 April 2021, 2pm to 6pm
Online via Zoom

1st Announcement
PDU / STU : TBA

SYNOPSIS

There are new advances made in the recent years on design and construction of steel-concrete composite structural systems in building and infrastructural work. It is important for researchers and practitioners to know these advances in view of the huge opportunity of infrastructure construction in Singapore and Asia Pacific Region in the coming decades. 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 with special emphases on practical applications and case studies. Experts from Singapore, China and Japan have been invited to share their knowledge and experience in steel and composite design and construction.

Two new design guides will be launched at the symposium: "Design Guide for Semi-rigid Composite Joints and Beams" and "BC4:2021:Design Guide for Steel-Concrete Composite Columns with High Strength Materials". The QR codes to download these two guides will be provided to all the registered participants during the symposium. These guidebooks jointly developed by BCA, NUS and SSSS serve as a valuable source of reference for building practitioners for designing new buildings.

REGISTRATION FEES

Category	Early Bird (on or before 31 March 2021)	Standard (1 April 2021 onwards)
SSSS Members	\$80	\$120
Non- members	\$130	\$180



QR Code to download the
two books will be
provided during the event

Click here to



Or scan QR code



Supported by



Organised by



Singapore Structural Steel Society

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SYMPOSIUM SPEAKERS

Topic 1: Innovative Steel Composite PPVC Buildings



Richard Liew
National University of Singapore

Topic 2: Design Guide for Semi-rigid Composite Joints and Beams



Yuichi Nishida
Nippon Steel Corporation

Topic 3: BC4:2021: Design Guide for Composite Columns using High Strength Materials



Lai Binglin
National University of Singapore

Topic 4: Afro-Asia Tower - Concrete filled Steel Tubular Columns with High Strength Materials



Lim Kok Kim
KK Lim & Associates

Topic 5: Outram Community Hospital - Composite Structural Systems with Semi-rigid Floor Joints



Jason Tan
WSP

Topic 6: Design, Application & Fabrication of High Strength Steel and Composite Structures




Oki Koji
JFE Steel Corporation

Singapore Structural Steel Society

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Programme

13:30 - 14:00

Registration

14:00 - 14:15

Opening Address

By Mr. Kelvin Wong, CEO of Building and Construction Authority

14:15 - 14:45

Topic 1 : Innovative Steel Composite PPVC Buildings

By Prof. Richard Liew, National University of Singapore

14:45 - 15:15

Topic 2 : Design Guide for Semi-rigid Composite Joints and Beams

By Mr. Yuichi Nishida, Nippon Steel Corporation

15:15 - 15:45

Topic 3 : BC4:2021: Design Guide for Composite Columns using High Strength Materials

By Dr. Lai Binglin, National University of Singapore

15:45 - 16:15

Tea break

16.15 - 16:45

Topic 4 : Afro-Asia Tower - Concrete filled Steel Tubular Columns with High Strength Materials

By Er. Lim Kok Kim, KK Lim & Associates

16:45 - 17:15

Topic 5 : Outram Community Hospital - Composite Structural Systems with Semi-rigid Floor Joints

By Er. Jason Tan, WSP

17:15 - 17:45

Topic 6: Design, Application & Fabrication of High Strength Steel and Composite Structures

By Mr. Koji Oki, JFE Steel Corporation

17:45 - 18:00

Closing Remarks and Presentation of Token of Appreciation to speakers

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