

2nd International Symposium on

Advances in Steel and Composite Structures

Friday, 16 April 2021, 2pm to 6pm

Online via Zoom

1st Announcement
PDU: TBA
STU : 4 (Structural)

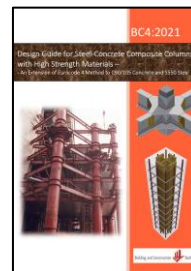
SYNOPSIS

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



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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 - A Hybrid Structure with Concrete Filled Steel Tubular Columns with High Strength Materials



Lim Kok Kim
KK Lim & Associates

Topic 5: Outram Community Hospital - Application on Composite Structural System and Semi Rigid 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
<i>By Mr. Kelvin Wong, CEO of Building and Construction Authority</i> |
| 14:15 - 14:45 | Topic 1 : Innovative Steel Composite PPVC Buildings
<i>By Prof. Richard Liew, National University of Singapore</i> |
| 14:45 - 15:15 | Topic 2 : Design Guide for Semi-rigid Composite Joints and Beams
<i>By Mr. Yuichi Nishida, Nippon Steel Corporation</i> |
| 15:15 - 15:45 | Topic 3 : BC4:2021: Design Guide for Composite Columns using High Strength Materials
<i>By Dr. Lai Binglin, National University of Singapore</i> |
| 15:45 - 16:15 | Tea break |
| 16.15 - 16:45 | Topic 4 : Afro-Asia Tower - A Hybrid Structure with Concrete Filled Steel Tubular Columns with High Strength Materials
<i>By Er. Lim Kok Kim, KK Lim & Associates</i> |
| 16:45 - 17:15 | Topic 5 : Outram Community Hospital - Application on Composite Structural System and Semi Rigid Joints
<i>By Er. Jason Tan, WSP</i> |
| 17:15 - 17:45 | Topic 6: Design, Application & Fabrication of High Strength Steel and Composite Structures
<i>By Mr. Koji Oki, JFE Steel Corporation</i> |
| 17:45 - 18:00 | Closing Remarks and Presentation of Token of Appreciation to speakers |

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