

13th International Conference on Shock & Impact Loads on Structures

13 – 15 December 2019, Guangzhou, China

Introduction

The International Conference on **Shock and Impact Loads on Structures** (SI) is an important event among international academics, practitioners and researchers. Inaugurated in 1996 in Singapore, this highly successful Conference series has been held subsequently once every 1 to 2 years in cities such as Australia in 1997, 2005 & 2009 (Melbourne, Perth and Adelaide respectively), China in 2002 & 2007 (Changsha and Beijing respectively), Japan in 2011 (Fukuoka), Canada (Ottawa) in 2015, and Singapore in 1999, 2001, 2013 & 2017. The 13th SI (SI19) will be held in Guangzhou, China in 2019. It will be hosted by Guangzhou University and University of Technology Sydney under the Chairmanship of Prof. Fengming Ren, Prof. Chengqing Wu and A/P Tat-Seng Lok. It will comprise daily plenary sessions and parallel technical sessions.

Conference Awards

Highly Commendable Paper Awards are presented at this Conference series to encourage quality submissions from young researchers. New and original technical papers will be considered for awards.

Conference Brief Programme

Pre-Conference (13 Dec, Fri)

1600-1800	Early Registration
1830-2100	Welcome Activity

Day 1 (14 Dec, Sat)

0830-0900	Registration continues
0900-0930	Opening by Guest-of-Honour
0930-1030	Keynote presentations
1045-1730	Keynote and Technical presentations
1800-2000	Conference Dinner (by invitation only)

Day 2 (15 Dec, Sun)

0900-1700	Keynote and Technical presentations
1700-1730	Awards Presentation and Closing

Morning and afternoon refreshments will be provided at approx. 1030hr & 1530hr and lunch at approx. 1230hr on each day of the Conference on 14 & 15 Dec, 2019.

Note: The organiser reserves the right to change the venue and/or programme or cancel the conference if deemed necessary. In the event of a cancellation, all fees paid will be refunded.

Call for Papers

The following themes are scheduled for discussion:

- Earthquake Shock
- Impact Resistant Rock-Shed Structures
- Numerical Simulation and Modelling
- Dynamic Soil-Structure Interaction
- Missile Impact and Penetration Mechanics
- Shock and Wave Propagation
- Dynamic Behaviour of Structural Elements & Design
- Explosion caused by High Explosives, Gas and Dust
- Blast Loading on Structures & Protective Technology
- Experimental Techniques at High Strain Rate
- Traffic barrier impacts and the crashworthiness of land/sea/air transportation vehicles
- Design of Explosion Containment Vessels
- Special Sessions on Specific Topics

Submissions are now invited and abstracts (of about 400 words, within one A4 page), may be sent to the Conference Director, Er. John S Y Tan, via:

Email: ci-p@cipremier.com
SI19 Secretariat, CI-Premier Pte Ltd
150 Orchard Road #07-14
Orchard Plaza, Singapore 238841
(Tel: +65-6733 2922; H/p: +65-9127 0094)

Please note that a Text Inclusion Fee (TIF) of SGD\$400 per submission (both is mandatory to ensure publication of accepted texts). Abstracts and texts will be subjected for peer review. The Proceedings will carry an ISBN reference and sent for ISTP indexing

Important Dates

- ▶ **15 April 2019** – Close of abstract submission
- ▶ **15 June 2019** – Notification of abstract acceptance
- ▶ **15 August 2019** – Full text to be received
- ▶ **15 September 2019** – Advised of paper acceptance

Conference Organising Committee

Chairmen:

- Prof. Fengming Ren, Guangzhou University, China
- Prof. C.Q. Wu, University of Technology Sydney, Australia
- A/Prof T.S. Lok, Nanyang Technological University, Singapore

Committee Members:

- Prof. Yifei Hao, Tianjin University, China
- A/Prof Hongwei Wang, Guangzhou University, China
- A/Prof Dayang Wang, Guangzhou University, China
- Dr. Dongying Liu, Guangzhou University, China
- Mrs. Liying Zhu, Guangzhou University, China
- Mr Danny Ong, B P Systems (Engineering) Pte Ltd, Singapore

Conference Director:

- Er John S.Y. Tan, CI-Premier Conference Organisation, Singapore

Secretariat:

- Ms Peggy Teo, CI-Premier Conference Organisation, Singapore

Chairmen's Message

SI19

On behalf of the Organising Committees, we are delighted to invite you to join us in Guangzhou from 13 – 15 December 2019, to attend the event of SI19.

This Conference will provide you with great opportunities to share common interests in the latest research in Shock and Impact on Structures.

Guangzhou, also known as Canton, is the capital and most populous city of Guangdong Province, China. It is located on the Pearl River on the southern China and has a resident population of over 20 million (2017 estimate). Guangzhou is at the heart of the most-populous built-up metropolitan area in mainland China. It is famous for its long history, Canton Fair, Culture, Food and tourist attractions.

The Conference Committee encourages your participation and to enjoy the warm hospitality that Guangzhou and its people offer, and the knowledge and ideas that SI19 will generate.

We look forward to seeing you in Guangzhou in December 2019.

Prof. F.M. Ren, Prof. C.Q. Wu & A/Prof. T.S. Lok

Guangzhou – Guangdong Province's capital

Culture and food. Travel and history. Shopping and sports. This is Guangzhou - the city where there's always something going on.

- party or relax amongst sophisticated architecture and lush gardens,
- immerse in the culture of its people, language, cuisine, opera and Xiguan.
- taste the delicious Cantonese food from morning until midnight.
- enjoy a retreat to the Baiyun mountain or Pearl River night cruise.
- overlook the whole city from the Canton Tower or relax with family members in the Chime-Long Paradise
- indulge in retail therapy at Tianhe Shopping Center, or at the Shangxiajiu/Beijing Road Pedestrian Street
- follow in the footsteps of the world famous sporting Olympic Champion in ping pong, badminton, weightlifting, etc.

All you have to do is to choose after you attend the conference

History of the Int'l Conference on Shock & Impact Loads on Structures:

1996 – 1st Conference – Singapore; 1997 – 2nd Conference – Melbourne, Australia; 1999 – 3rd Conference – Singapore; 2001 – 4th Conference – Singapore; 2003 – 5th Conference – Changsha, China; 2005 – 6th Conference – Perth, Australia; 2007 – 7th Conference – Beijing, China; 2009 – 8th Adelaide, Australia; 2011 – 9th Fukuoka, Japan; 2013 – 10th Singapore; 2015–11th Ottawa, Canada; 2017 – 12th Singapore.

Proceedings of the above conferences with an ISBN reference are available from the Secretariat.

SI19 – Registration Form

Name _____

Company _____

Address _____

_____ Postal code _____

Country _____

Tel _____ Fax _____

Email _____

(or attach name card here)

Registration Fees

- | | |
|--|-------------------|
| <input type="checkbox"/> Full Registration Fee
(includes invitation to dinner) | S\$950 (RMB4,800) |
| <input type="checkbox"/> Bona-Fide Students – Registration Fee
(without dinner) | S\$700 (RMB3,500) |
| <input type="checkbox"/> Publication Fee per paper
(non-attendance authors) | S\$400 (RMB2,000) |

Modes of Payment

1. Telegraphic Transfer

(The payer is responsible for all bank charges incurred)

Account Name: CI-Premier Pte Ltd

Bank Name and Address

Oversea-Chinese Banking Corporation Ltd (North Br),
OCBC Centre, 65 Chulia St, Singapore 049513

Bank/Branch Codes/Account No. (Swift Address)

7339-515-024354-001 (OCBC-SGSG)

Please send us a copy of your bank transfer order.

2. Credit Cards (VISA & MASTERCARD only) are acceptable.

Please give details and authorisation for charge by email.

Alternatively you may remit directly by internet.

Cancellation Policy: (only acceptable in writing to the Secretariat)

One week before date of conference: full refund less 25% overhead / administration charges; no refund thereafter, however, a set of the conference documentation will be sent to you, or alternatively you may send a replacement (please advise name) at no extra cost.

Conference Advisory Committee

Honorary Chairmen:

- Prof. Hong Hao, Curtin University, Australia
- Prof. Nobutaka Ishikawa, National Defense Academy, Japan

International Scientific Committee Members:

- Prof. Daniel Ambrosini, National University of Cuyo, Argentina
- Dr. Choon-Keat Ang, Prostruct Consulting Pte Ltd, Singapore
- Prof. Masuhiro Beppu, National Defense Academy, Japan
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Shock & Impact Loads on Structures

invitation to participate

13 – 15 December 2019,
Hotel Crowne Plaza Guangzhou Huadu, China



Organised & Hosted by:

Guangzhou University, China
University of Technology Sydney, Australia

With the support of:

Civil & Structural Committee,
Institution of Structural Engineers, Singapore

Co-sponsored by:

BP (Systems) Engineering Pte Ltd, Singapore

Managed by:

CI-Premier Conference Organisation, Singapore

SI19 Conference Secretariat: CI-PREMIER PTE LTD
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