Advanced technologies and issues related to thermal effect of concrete in Singapore and Japan

The online joint seminar will be hold to exchange the information related to thermal effect of concrete in Singapore and Japan. Concrete is subject to various thermal effects such as fire damage, hot weather casting, and thermal clack etc., which are important issues common to the world. In this seminar, we will discuss “Advanced technologies and issues related to thermal effect of concrete in Singapore and Japan”.

The seminar is sponsored by the Concrete Committee of the Japan Society of Civil Engineers (JSCE), and we invite six experts who lead this field. We are looking forward to your participation.

**About Seminar**

**Moderator**

Dr. Shingo Asamoto  (Saitama University)

**Presenter**

Dr. Tan Kang Hai  
(Nanyang Technological University)

Mr. Lu Jin Ping  
(American Concrete Institute - Singapore Chapter)

Dr. Akira Hosoda  
(Yokohama National University)

Mr. Takuya Ono  
(Taiheiyo Singapore Pte. Ltd.)

Mr. Toshifumi Kikuchi  
(Shimizu Corporation)

Dr. Takumi Sugamata  
(Pozzolith Solutions Ltd.)

Date: September 26th, 2022  
Time: 10:00 - 14:40 (GMT+9)  
Venue: Online(ZOOM)  
Admission fee: FREE  
Registration: https://form.run/@Joint-Seminar2022

※After registration, you will receive an e-mail with the URL(Zoom) of the webinar
Advanced technologies and issues related to thermal effect of concrete in Singapore and Japan

**Schedule**

**Date:** September 26th, 2022  **Time:** 10:00 - 14:40 (GMT+9)

**Moderator:** Dr. Shingo Asamoto (Saitama University)

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<td>09:00</td>
<td>Opening remarks: Dr. Yoshinobu Ooshima, chairperson, JSCE, Concrete Committee, Sub-committee on International Affairs</td>
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<td>09:10</td>
<td>Fire-resistant HPC and UHPC from materials to RC column performance under elevated temperature</td>
<td>Dr. Tan Kang Hai: Nanyang Technological University</td>
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<td>09:40</td>
<td>Singapore Experience on temperature control of mass concrete</td>
<td>Mr. Lu Jin Ping: American Concrete Institute Singapore Chapter</td>
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<td>10:10</td>
<td>Issues related to hot weather concrete and mass concrete cracking - JSCE standard specifications of concrete structures</td>
<td>Dr. Akira Hosoda: Yokohama National University</td>
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<td>12:00</td>
<td>Suppression effect of supplementary cementitious materials (SCMs) on delayed ettringite formation (DEF) expansion</td>
<td>Mr. Takuya Ono: Taiheiyo Singapore Pte. Ltd.</td>
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<td>12:20</td>
<td>Application of low heat type fly ash cement to actual massive concrete</td>
<td>Mr. Toshifumi Kikuchi: Shimizu Corporation</td>
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<td>12:40</td>
<td>Effectiveness of Mid-range water reducer with super slump retention and setting retardation effect in Hot Weather Concrete</td>
<td>Dr. Takumi Sugamata: Pozzolith Solutions Ltd.</td>
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<td>13:00</td>
<td>Q&amp;A session</td>
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