CIB W099 International Conference on "Modelling and Building Health and Safety"

10-11 September, 2012
Singapore
Marina Bay Sands

ACCREDITATION:
- BOA-SIA: 5 CPD Points
- PEB: 12 PDU Points
- SISV: 12 CPD Points
- SISO: 13 SDU Points

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BIM & Safety Competition Sponsors

Supporting organisations:
Background

The statistics show that the construction industry has the poorest safety record among the sectors of the economy in every country. Apart from the loss of life, livelihood, property and personal misery, which accidents on construction sites bring, they also have an immediate impact on project performance in terms of time delays and increased costs. In all countries, safety and health in the workplace constitute an important issue to the government and the construction industry, and over the past few decades, there has been a rapid progression of regulations, policy mandates, incentives, and training and awareness development programmes. The corporations are responding to the many drivers by developing corporate policies to attain “Zero Accidents” and “Zero Incidents”. In an industry, which comprises so many participants and interest groups, it has now become clear that safety is everybody’s business.

Conference

The CIB W099 International Conference on Construction Safety will be held in Singapore on 10-11 September 2012. The theme of the conference is "Modelling and Building Health and Safety". The conference will be hosted by the Department of Building, National University of Singapore. The Co-Chairs of the organising Committee of the conference are Associate Professor Evelyn Teo Ai Lin and Professor George Ofori.

This conference will offer the opportunity for participants to gain inimitable insights into the most effective ways and means of improving the safety performance of the construction industries globally. Some of the world’s top experts will discuss the pressing issues in the context of occupational safety and health at the conference.

The conference will comprise plenary and breakout sessions, and optional technical visits. Arrangements are also being made to provide participants the opportunity to attend another high quality international conference in Singapore, which will follow immediately after this one.

Conference Topics

Papers are invited for presentation at the conference. Papers may be on any of the following topics:

- Achieving the Goal of Zero Incidents
- Behaviour Based Safety
- Best Practices in Safety and Health
- Building Information Modelling & Safety
- Client Involvement in Construction Safety and Health
- Costs of Injuries and Costs of Safety and Health
- Design for Safety and Health
- Education in Safety and Health
- Emergency Response on Construction Sites
- Environmental Issues
- Ergonomics and Construction Safety and Health
- Incentives to promote Safety and Health
- Indicators and Benchmarking of Construction Safety and Health
- Legal Implications of Construction Safety and Health
- National Construction Injury and Health Statistics
- Regulatory Impacts and Changes
- Risk Analysis, Decision Making and Management
- Role of Safety and Health in Sustainable Construction
- Safe Construction Approaches: Automation and Robotics
- Safety and Health in Procurement
- Safety Culture in Construction
- Safety Performance & Productivity
- Stakeholder Involvement in Safety and Health
- Subcontractors and Construction Safety and Health
- Training and Certification in Construction Safety and Health

Conference Objectives

The objectives of the conference are:

- to facilitate the dissemination of research and new developments in the area of construction
- safety and health;
- to foster a mind-set of systematic joint action, appropriate behaviour, performance measurement, benchmarking and continuous improvement with respect to occupational safety and health in construction;
- to explore the integration and application of new techniques, technologies and strategies towards attaining verifiable improvements in occupational safety and health in construction; and
- to formulate an agenda for research on occupational safety and health in construction up to 2025
Theme and Sub-themes of Conference

The main theme of the conference is "Modelling and Building Health and Safety". The sub-themes of the conference are:

- Behaviour-based safety
- Design for safety
- Regulations and incentives for safety
- Safety culture
- Safety benchmarking
- Integration of productivity, quality and safety performance parameters
- Safety and building information modelling
- Safety risk analysis and risk management
- Subcontracting and safety management
- Zero incidents as a corporate and project goal

BIM & Safety Competition

Building Information Modelling (BIM) is one of the most conspicuous attributes of a fundamental change that is swiftly transforming the construction industry. The findings of studies on the use of BIM have shown that communications can be improved and errors can be eliminated; thus resulting in a safer worksite. The aim of this competition is to showcase the integrated design and collaborative features of BIM in enhancing safety on sites. Students and professionals are encouraged to use BIM to add the Safety Dimension for monitoring and improving safety performances on construction projects. Participants will have to form teams to use a real-life project or a hypothetical case to demonstrate BIM capabilities in enhancing safety on construction sites.

Special Programme: Construction Safety Summit

The Construction Safety Summit will be held in conjunction with the CIB W099 International Conference on "Modelling and Building Health and Safety". The focus of the Summit will be on the construction safety and health in Singapore. The Summit will be organised by the Institute of Engineers Singapore (IES), as a strategic partner of the International Conference.

The Summit will offer the opportunity for participants to gain valuable insights into the current and future situation of construction safety and health in Singapore. Distinguished speakers and experts from the main stakeholders of the construction industry will discuss the pressing issues in the context of occupational safety and health during the plenary session. They will also share their perspectives on the future of construction safety and health in Singapore.

Important Dates

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<tr>
<th>Event</th>
<th>Date</th>
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<tr>
<td>Abstract Submission Deadline</td>
<td>31 Jan 2012</td>
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<td>Notification of Abstract Acceptance</td>
<td>29 Feb 2012</td>
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<tr>
<td>BIM/Safety Competition Starts</td>
<td>29 Feb 2012</td>
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<tr>
<td>Completed Paper Submission (Full paper)</td>
<td>15 May 2012</td>
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<tr>
<td>Notification of Paper Acceptance</td>
<td>30 Jun 2012</td>
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<tr>
<td>Final Paper Submission (Camera-ready)</td>
<td>30 Jul 2012</td>
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<tr>
<td>BIM/Safety Competition Ends</td>
<td>30 Jul 2012</td>
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<td>Early-Bird Registration Ends</td>
<td>30 Jul 2012</td>
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<tr>
<td>Registration Deadline</td>
<td>15 Aug 2012</td>
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<tr>
<td>PowerPoint Submission Deadline</td>
<td>31 Aug 2012</td>
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Registration Fees

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<th>Rate</th>
<th>Fee</th>
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<tr>
<td>Early-Bird Registration</td>
<td>S$828</td>
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<tr>
<td>(Deadline 30 July 2012)</td>
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<td>Special Rates</td>
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<tr>
<td>Student</td>
<td>S$608</td>
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<td>BEMA, IES, IOSH, CIB Member</td>
<td>S$800</td>
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<tr>
<td>Normal Registration</td>
<td>S$888</td>
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<tr>
<td>On the spot Registration</td>
<td>S$988</td>
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Additional Information:

For further information about the conference visit the designated website at www.bdg.nus.edu.sg/safetyconf/index.htm

Or you can email to

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