



IALCCE Executive Board Meeting

5th International Symposium on Life-Cycle Civil Engineering (IALCCE 2016)

Delft, The Netherlands, October 16-19, 2016

DATE: October 16th, 2016, Sunday

TIME: 12:00 – 3:30 PM

VENUE: de Sjees, Markt 5, 2611 GP, Delft, The Netherlands

Members in attendance:

Dan Frangopol, Lehigh University, Bethlehem, PA, USA

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Luis Esteva, National University of Mexico, Mexico City, Mexico

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Mark P. Sarkisian, Skidmore, Owings & Merrill LLP, San Francisco, CA, USA
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Guests:

Mitsuyoshi Akiyama, Waseda University, Tokyo, Japan
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Robby Caspeepe, Ghent University, Ghent, Belgium
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Han Roebers, Ministry of Infrastructure and Environment, Utrecht, The Netherlands
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Xin Ruan , Tongji University, Shanghai, China
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Introduction and Status of IALCCE

The meeting was called to order at 12:00 pm. All participants introduced themselves. A brief overview of the activities, mission and objective of IALCCE was given.

IALCCE was founded in October 2006 in Seoul, after a series of International Workshops on Life-Cycle Cost Analysis and Design of Civil Infrastructure Systems held in Honolulu, Hawaii, USA (LCC1, 2000), Ube, Yamaguchi, Japan (LCC2, 2001), Lausanne, Switzerland (LCC3, 2003), Cocoa Beach, Florida, USA (LCC4, 2005), and Seoul, Korea (LCC5, 2006).

The activities of the IALCCE covers all aspects of life-cycle assessment, design, maintenance, rehabilitation and monitoring of civil engineering systems. The mission of the Association is to become the premier international organization for the advancement of the state-of-the-art in the field of life-cycle civil engineering. The objective of the Association is to promote international cooperation in this field for the purpose of enhancing the welfare of society. Since its foundation, IALCCE has created fertile ground for the stimulation and promotion of research in the field of life-cycle civil engineering.

As of October 15th, 2016, IALCCE has 515 individual members from 55 countries, and 25 collective members. A brochure with full information about the activities and current status of IALCCE is available on the official website at: http://www.ialcce.org/IALCCE_Brochure.pdf

Based on the current status, it was unanimously agreed that the original mission of the Association – to become the premier international organization for the advancement of the state-of-the-art in the field of life-cycle civil engineering – is now accomplished and that a new mission, as well as a wider spectrum of topics covered, are needed for IALCCE. A discussion followed with contributions from all members in attendance to identify aspects that were not fully covered in past IALCCE activities, as well as new emerging topics in the field of life-cycle civil engineering, such as adaptation to climate change, resilience of communities, and building information modeling, among others. It was also outlined the importance of creating connections with other disciplines and linking theory and practice by involving more professionals, private companies, and public authorities. As a result of the discussion, it was unanimously decided that a proposal will be sent to all IALCCE Executive Board members in the coming months to revise and update the IALCCE mission, objective, and activities.

Review of the Executive Board

The current members of the IALCCE Executive Board are Dan Frangopol (President), Alfredo Ang (Honorary President), Harald Budelmann (Vice-President), Hitoshi Furuta (Vice-President), Fabio Biondini (Secretary General), Jaap Bakker, Shi-Shuenn Chen, Luis Esteva, Leo Klatter, and Mark Sarkisian. Mitsuyoshi Akiyama, co-Chair of the Fourth International Symposium on Life-Cycle Civil Engineering (IALCCE 2014), was proposed as a new member of the Executive Board. The proposal was unanimously approved. All members warmly welcomed and congratulated Mitsuyoshi Akiyama as new Executive Board member.

According to the rule, members that are not in attendance for two consecutive Executive Board meetings should not continue their activity in the Executive Board.

SIE Special Issues dedicated to IALCCE Symposia

The extended version of selected papers included in the proceedings of IALCCE Symposia have been considered for publication in special issues of Structure and Infrastructure Engineering, an international peer-reviewed journal included in the ISI Science Citation Index and endorsed by IALCCE. Four special issues have been published, with over 40 journal papers and more than 450 pages. The list of the special issues is reported below.

IALCCE'08: *Life-Cycle of Civil Engineering Systems*, Fabio Biondini & Dan M. Frangopol (Guest Editors), Vol. 7, Nos. 1-2, 2011 (15 articles, 198 pages).

IALCCE 2010: *Advances in Life-Cycle Civil Engineering*, Fabio Biondini & Dan M. Frangopol (Guest Editors), Vol. 10, No. 7, 2014 (7 articles, 85 pages).

IALCCE 2012: *Life-Cycle Performance of Civil Infrastructure Systems*, Fabio Biondini & Alfred Strauss (Guest Editors), Vol. 12, No. 7, 2016 (4 articles, 60 pages).

IALCCE 2014: *Life-Cycle of Structural Systems: Design, Assessment, Maintenance & Management*, Hitoshi Furuta & Mitsuyoshi Akiyama (Guest Editors), Vol. 13, No. 1, 2017 (16 articles, 209 pages).

Report on IALCCE 2014

The 4th International Symposium on Life-Cycle Civil Engineering (IALCCE 2014) was held in Tokyo, Japan, 16-19 November, 2014 (<http://www.ialcce2014.org>). IALCCE 2014 was organized under the auspices of Waseda University. The interest of the international civil engineering community in this event has been confirmed by the significant response to the IALCCE 2014 call for papers. A total of 436 abstracts were received by the Symposium Secretariat, and about 75% of them were selected for final publication as full papers and presentation at the Symposium. The number of participants was 405, including 385 delegates and 20 accompanying persons. The proceedings of IALCCE 2014 have been collected in the volume *Life-Cycle of Structural Systems: Design, Assessment, Maintenance and Management*, edited by H. Furuta, D.M. Frangopol and M. Akiyama, and published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound book and a DVD containing 312 papers, including the Fazlur Khan lecture, seven keynote papers, and 304 technical contributions from 33 countries.

Report on IALCCE 2016

The 5th International Symposium on Life-Cycle Civil Engineering (IALCCE 2016), Delft, The Netherlands, 16-19 October, 2016 (<http://www.ialcce2016.org>), was organized under the auspices of InfraQuest, a collaboration between TU Delft, TNO and Rijkswaterstaat. The interest of the international civil engineering community in this event has been confirmed by the significant response to the IALCCE 2016 call for papers. A total of 475 abstracts were received by the Symposium Secretariat, and about 70% of them were selected for final publication as full papers and presentation at the Symposium. The number of participants was 434, including 411 delegates and 23 accompanying persons. The proceedings of IALCCE 2016 have been collected in the volume *Life-Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure*, edited by J. Bakker, D.M. Frangopol and K. van Breugel, and published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound book and a USB card containing 333 papers, including the Fazlur Khan lecture, nine keynote papers, and 323 technical contributions from 44 countries. The extended version of selected papers included in the proceedings will be considered for possible publication in a special issue of *Structure and Infrastructure Engineering*.

Report on IALCCE 2018

The 6th International Symposium on Life-Cycle Civil Engineering (IALCCE 2018) is organized under the auspices of Ghent University and will be held in Ghent, Belgium, 28-31 October, 2018 (<http://www.ialcce2018.org>). Robby Caspeepe, who is organizing and co-chairing IALCCE 2018 with Dan Frangopol and Luc Taerwe, was invited to join the meeting to deliver a presentation on the status of the organization of the Symposium and respond to the inquiries of the Executive Board. A discussion was held after the presentation. The status of IALCCE 2018 was evaluated as excellent and Robby Caspeepe invited to continue to closely coordinate with the Executive Board on all future steps of the organization.

Proposal for IALCCE 2020

A call for proposals was issued for the organization of the 7th International Symposium on Life-Cycle Civil Engineering (IALCCE 2020). A proposal was received from Tongji University, China. Xin Ruan was invited to join the meeting to deliver a presentation on this proposal and respond to the inquiries of the Executive Board. A discussion was held after the presentation. The proposal was evaluated as very good and worthy to be considered for the organization of IALCCE 2020 and was unanimously approved. It was therefore decided to host IALCCE 2020 in Shanghai, China, in October 2020.

Current and future IALCCE activities

In order to fulfill its mission and objective, the Association will organize congresses, conferences, symposia, workshops, seminars, and short courses on the related topics. The Association intends to cooperate with other organizations, including AASHTO, ACI, AISC, ASCE, CERRA, ESRA, fib, IABMAS, IABSE, IASSAR, ICE, IFIP, JCSS, PIARC, and RILEM, having interest in the field of activity of IALCCE. Strong interactions are expected with the SEI-ASCE Technical Council on Life-Cycle Performance, Safety, Reliability and Risk of Structural Systems. Over the last eight years IALCCE sponsored 30 events, including congresses, conferences, symposia, and workshops. Upcoming events recently sponsored include:

- International Symposium on Sustainability and Resiliency of Infrastructure (ISSRI2016), Taipei, Taiwan, 2016
- Second International Bridges Congress: Design, Construction and Maintenance (CIPCH 2017), Santiago, Chile, October 18-20, 2017

IALCCE website

The official website of the Association can be reached at <http://www.ialcce.org>. This website is regularly maintained and updated with all information related to the Association including the membership status, activities, publications and events promoted and sponsored by IALCCE.

Next Meeting

The next meeting of the IALCCE Executive Board will be held in Ghent, Belgium, during the 6th International Symposium on Life-Cycle Civil Engineering (IALCCE 2018). An email will be sent to Executive Board members for the selection of the most appropriate date and time for the next meeting as the IALCCE 2018 Symposium approaches.

Adjourn

The meeting was adjourned at 3:30 pm.

Meeting minutes prepared by Fabio Biondini.