Important Dates

Deadline Abstract Submission .................. June 1, 2015
Preliminary Abstract Acceptance ............. September 1, 2015
Deadline Full paper Submission ............... February 1, 2016
Final paper Acceptance ......................... April 1, 2016
Deadline Early Bird Registration .............. July 1, 2016

Delegates

Anybody interested in life-cycle civil engineering is invited to participate. Participation will benefit university researchers, representatives from all sections of civil engineering, engineers working with companies, consultants, contractors, and representatives from local authorities.

Besides promoting their own research and professional work, participants will learn about and discuss the latest accomplishments, innovations and potential future directions in life-cycle civil engineering and connect with each other in order to develop innovative and lasting networks and collaborations. We are looking forward to welcoming you at the IALCCE2016 in Delft.

Language

The official language of the symposium will be English.

Publication

The symposium proceedings will be published by an international publisher and will be distributed at the symposium to registered participants.
IALCCE2016

The Fifth International Symposium on Life-Cycle Civil Engineering (IALCCE2016) will be held in Delft from October 16 to 19, 2016 (www.ialcce2016.org).

The symposium is organized on behalf of the International Association for Life-Cycle Civil Engineering (IALCCE, www.ialcce.org). This year IALCCE2016 is hosted by the Delft University of Technology and co-organized by InfraQuest. InfraQuest is a collaboration between the Delft University of Technology, TNO (the Netherlands Organization for Applied Scientific Research) and Rijkswaterstaat (government agency within the Dutch Ministry of Infrastructure and the Environment). Jaap Bakker, Dan M. Frangopol and Klaas van Breugel will serve as symposium chairs.

IALCCE

IALCCE is an association founded in October 2006. Its activities encompass all aspects of life-cycle design, assessment, inspection, maintenance, monitoring, and rehabilitation of civil engineering systems (www.ialcce.org).

Motivation for IALCCE2016

Life-cycle civil engineering is of great significance to society. After a period of industrialization in the past century, with huge developments of all sorts of infrastructure networks and large scale construction projects, society now faces new challenges. Economies have become largely dependent on these civil assets. But society is constantly changing and the existing built environment is getting obsolete. Technically and functionally ageing assets create risks to society. Also the environmental impact of our built environment becomes a major concern. At the same time cultural heritage needs to be preserved. Action is needed to preserve the environment for the next generations. Life-cycle thinking is important for all partners in both construction and maintenance processes. Life-cycle civil engineering is a topic where academics and practitioners need to take steps forward.

We are challenged to develop new services and technologies that help us to deal with today's and tomorrow's challenges.

The Fifth International Symposium on Life-Cycle Civil Engineering, IALCCE2016, brings world experts together, to share recent progress and formulate future directions to life-cycle civil engineering.

IALCCE2016 theme: Civil engineering from a life-cycle perspective

Creating a sustainable society is a challenge relevant to the whole civil engineering sector. This is why the theme of the conference is: Civil Engineering from a life-cycle perspective. All delegates are challenged to bring in their solutions to create a sustainable future. The Symposium will devote special attention to meet the following four objectives: (a) better control on asset performance over the life-cycle; (b) better value over the life-cycle; (c) in control of asset-related risks; and (d) reducing the environmental impact to society. These four objectives do not replace the general IALCCE themes. Nevertheless, we would like the participants to pay attention to the relevance of these objectives. Contributions focusing on at least one of these objectives are particularly welcome.

Mission of the Symposium

The mission of IALCCE2016 is to bring together all cutting edge research in the field of life-cycle civil engineering and so to advance both the state-of-the-art and state-of-practice in the field.

Symposium topics

The activities of the Association will cover all aspects of life-cycle assessment, design, maintenance, rehabilitation and monitoring of civil engineering systems. Typical themes at IALCCE symposia are:

- Aging of Structures
- Deterioration Modeling
- Durable Materials
- Earthquake and Accidental Loads
- Fatigue and Damage
- Marine and Severe Environments
- Lifetime Structural Optimization
- Long-term Performance Analysis
- Performance Based Design
- Service Life Prediction
- Time-variant Reliability
- Uncertainty Modeling
- Damage Identification
- Field Testing
- Health Monitoring
- Inspection and Evaluation
- Maintenance Strategies
- Rehabilitation Techniques
- Strengthening and Repair
- Life-Cycle Cost Models
- Project Management
- Risk Analysis and Optimization
- Artificial Intelligence Methods
- Evolutionary Procedures

Call for Papers

Authors are kindly invited to submit 300-word abstracts by June 1, 2015, through the online submission system available on the Symposium website (www.ialcce2016.org). Authors will be notified regarding the acceptance of their abstracts by September 1, 2015. Full papers are due by February 1, 2016. Final acceptance of full papers will be notified by April 1, 2016.

Call for Mini-Symposia and Special Sessions

Participants interested in organizing mini-symposia or special sessions as part of IALCCE2016 are requested to submit a proposal to the IALCCE Secretariat. Detailed information about the submission process will be made available on the symposium website (www.ialcce2016.org).