



# iaLcCe

**International Association for  
Life – Cycle Civil Engineering**



**Founded 2006**

[www.ialcce.org](http://www.ialcce.org)

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# IALCCE

The International Association for Life-Cycle Civil Engineering (IALCCE) was founded in Seoul, Korea, in October 2006. Complete and updated information about IALCCE is available on the official website of the Association: [www.ialcce.org](http://www.ialcce.org).

## FIELD OF ACTIVITY

The activities of the Association will cover all aspects of life-cycle assessment, design, maintenance, rehabilitation and monitoring of civil engineering systems.

## MISSION

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.

## OBJECTIVE

The objective of the Association is to promote international cooperation in the field of life-cycle civil engineering for the purpose of enhancing the welfare of society.

## 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. The list of events sponsored by IALCCE is available on the website of the Association: [www.ialcce.org](http://www.ialcce.org).

## MEMBERSHIP INFORMATION

Membership will include individual members and collective members. An individual member of IALCCE shall be a person who is involved in the areas of activity covered by the Association, possesses appropriate knowledge and is willing to support the mission and objective of the Association. A collective member of IALCCE shall be an organization having technical or scientific interest in the Association, such as institutions, universities, qualified firms, and libraries.

## JOIN IALCCE

To apply to become a member of IALCCE, please visit the IALCCE website at [www.ialcce.org](http://www.ialcce.org), choose the appropriate online application form (individual or collective) and submit all the requested information to IALCCE Secretariat.

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## NATIONAL GROUPS

To better coordinate its activities, IALCCE provides the possibility of establishing national groups.

### IALCCE Dutch Group

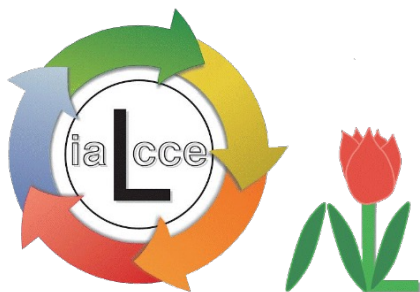
The Dutch group of IALCCE aims to connect national and international developments in the field of Life-Cycle Civil Engineering, in close cooperation with other Dutch organizations. Results of IALCCE international activities are shared, and opportunities for international cooperation are promoted.

Contact person: Jaap Bakker

Date of foundation: October 2019

Webpage: <http://www.ialcce-nl.org>

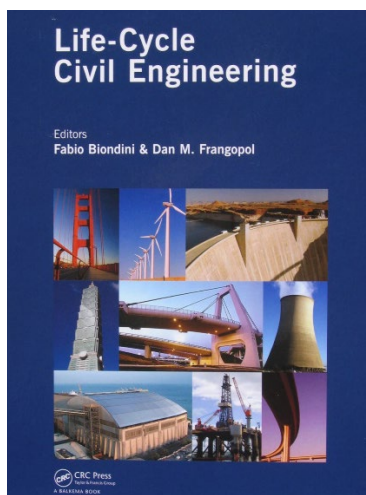
Email: [jaap.bakker@rws.nl](mailto:jaap.bakker@rws.nl)





2008

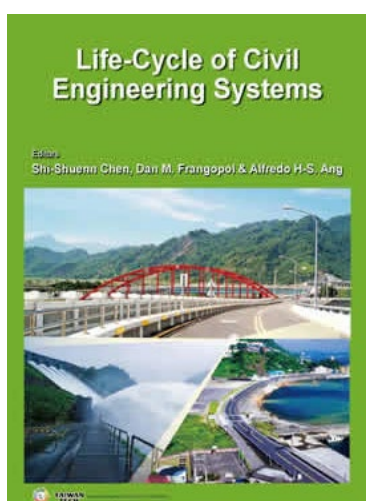
## IALCCE 2008



The *First International Symposium on Life-Cycle Civil Engineering* (IALCCE'08) was held in Varenna, Italy, on June 10-14, 2008 (<http://www.ialcce08.org>). The proceedings of IALCCE'08 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound Book and a CD-ROM containing 150 papers, including eight keynote papers and 142 technical contributions from 28 countries. The extended version of selected papers included in the proceedings have been published in a Special Issue of *Structure and Infrastructure Engineering: Life-Cycle of Civil Engineering Systems*, F. Biondini & D.M. Frangopol (Eds.), Vol. 7, Nos. 1-2, 2011, 197 pages.

2010

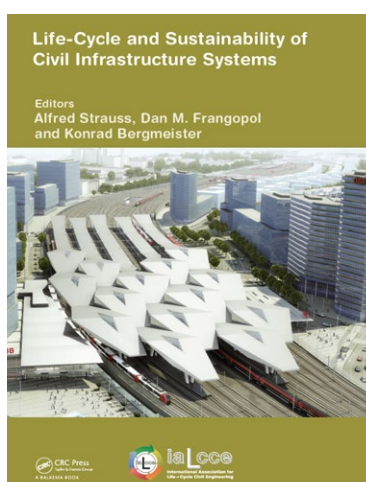
## IALCCE 2010



The *Second International Symposium on Life-Cycle Civil Engineering* (IALCCE 2010) was held in Taipei, Taiwan, on October 27-30, 2010. The proceedings of IALCCE 2010 have been published by Taiwan Tech, National Taiwan University of Science and Technology, as a set comprising a hardbound Book of abstracts and a CD-ROM of full papers, including ten keynote papers and 115 technical contributions. The extended version of selected papers included in the proceedings have been published in a Special Issue of *Structure and Infrastructure Engineering: Advances in Life-Cycle of Civil Engineering Systems*, F. Biondini & D.M. Frangopol (Eds.), Vol. 10, No. 7, 2014, 85 pages.

2012

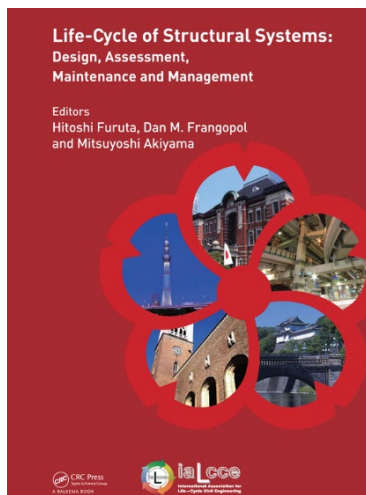
## IALCCE 2012



The *Third International Symposium on Life-Cycle Civil Engineering* (IALCCE 2012) was held in Vienna, Austria, on October 3-6, 2012 (<http://www.ialcce2012.org>). The proceedings of IALCCE 2012 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound Book of extended abstracts and a DVD with 344 full papers, including the Fazlur R. Khan lecture, ten keynote lectures, and 333 technical contributions from 52 countries. The extended version of selected papers included in the proceedings have been published in a Special Issue of *Structure and Infrastructure Engineering: Life-cycle performance of civil infrastructure systems*, F. Biondini & A. Strauss (Eds.), Vol. 12, No. 7, 2016, 60 pages.

## IALCCE 2014

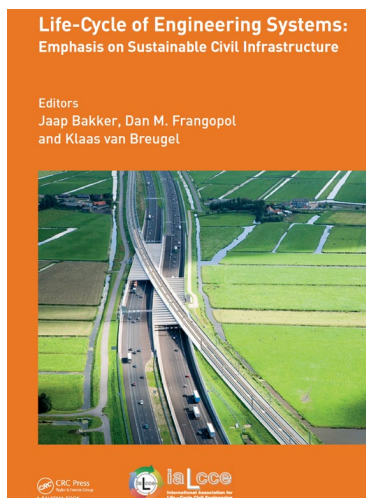
2014



The *Fourth International Symposium on Life-Cycle Civil Engineering* (IALCCE 2014) was held in Tokyo, Japan, on November 16-19, 2014 (<http://www.ialcce2014.org>). The proceedings of IALCCE 2014 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hard-bound Book of extended abstracts and a DVD with 312 full papers, including the Fazlur R. Khan lecture, seven keynote lectures, and 304 technical contributions from 38 countries. The extended version of selected papers included in the proceedings have been published in a Special Issue of the international peer-reviewed journal *Structure and Infrastructure Engineering*, Taylor & Francis.

## IALCCE 2016

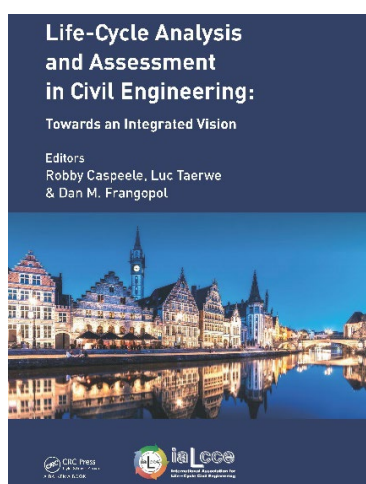
2016



The *Fifth International Symposium on Life-Cycle Civil Engineering* (IALCCE 2016) was held in Delft, The Netherlands, on October 16-20, 2016 (<http://www.ialcce2016.org>). The proceedings of IALCCE 2016 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hard-bound Book of extended abstracts and a USB card with 333 full papers, including the Fazlur R. Khan lecture, nine keynote lectures, and 323 technical contributions from 44 countries. The extended version of selected papers presented at the Symposium have been published in a Special Issue of the international peer-reviewed journal *Structure and Infrastructure Engineering*, Taylor & Francis.

## IALCCE 2018

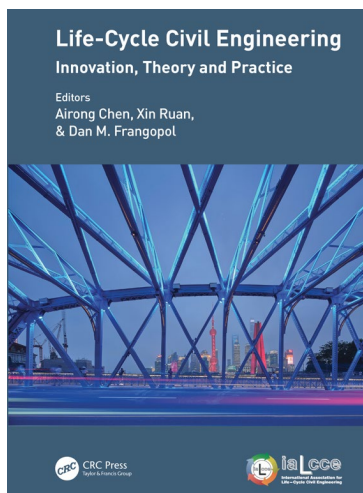
2018



The *Seventh International Symposium on Life-Cycle Civil Engineering* (IALCCE 2020) was held in Shanghai, China, on October 27-30, 2020 (<http://www.ialcce2020.org>). The proceedings of IALCCE 2020 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound Book of extended abstracts and a USB card with 225 full papers, including the Fazlur R. Khan lecture, eight keynote lectures, and 216 technical contributions. The extended version of selected papers presented at the Symposium have been published in a Special Issue of the international peer-reviewed journal *Structure and Infrastructure Engineering*, Taylor & Francis.

2020

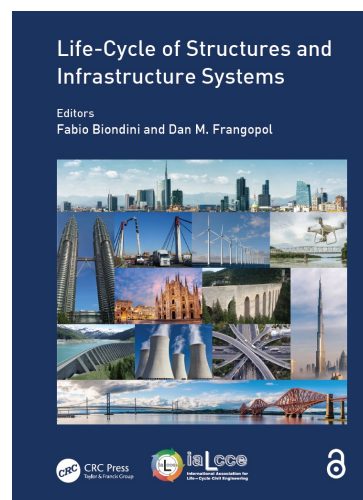
## IALCCE 2020



The *Seventh International Symposium on Life-Cycle Civil Engineering* (IALCCE 2020) was held in Shanghai, China, on October 27-30, 2020 (<http://www.ialcce2020.org>). The proceedings of IALCCE 2020 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound Book of extended abstracts and a USB card with 225 full papers, including the Fazlur R. Khan lecture, eight keynote lectures, and 216 technical contributions. The extended version of selected papers presented at the Symposium have been published in a Special Issue of the international peer-reviewed journal *Structure and Infrastructure Engineering*, Taylor & Francis.

2023

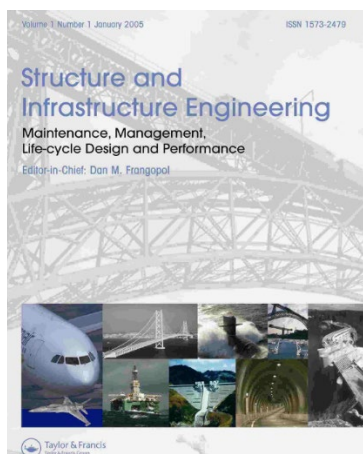
## IALCCE 2023



The *Eighth International Symposium on Life-Cycle Civil Engineering* (IALCCE 2023) will be held at Politecnico di Milano, Milan, Italy, on July 2-6, 2023 (<https://ialcce2023.org>). The proceedings of IALCCE 2023 will be published by CRC Press, Taylor & Francis Group, as an Open Access Book containing 514 full papers, including the Fazlur R. Khan lecture, nine keynote lectures, and 504 technical contributions from 45 countries. The extended version of selected papers presented at the Symposium will be published in a Special Issue of the international peer-reviewed journal *Structure and Infrastructure Engineering*, Taylor & Francis.

## SIE INTERNATIONAL JOURNAL

SIE



**Structure and Infrastructure Engineering - Maintenance, Management and Life-Cycle Design and Performance** is an international peer-reviewed scientific journal endorsed by IALCCE, and included in the ISI Science Citation Index. This journal is dedicated to recent advances in the field of life-cycle performance of a wide range of structures and infrastructures, such as: buildings, bridges, dams, underground constructions, offshore platforms, pipelines, naval vessels, ocean structures, nuclear power plants, airplanes and other types of structures (<http://www.tandfonline.com/sie>).

## SIE SPECIAL ISSUES

### **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)

### **IALCCE 2016 | Life-Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure**

Jaap Bakker, Dan M. Frangopol & Yannis Tsompanakis (Guest Editors)

Vol. 14, No. 7, 2018 (14 articles, 205 pages)

### **IALCCE 2018 | Life-Cycle, Risk, Resilience and Sustainability of Civil Infrastructure**

Robby Caspeelee, Dan M. Frangopol & Yiannis Tsompanakis (Guest Editors)

Vol. 16, No. 4, 2020 (19 articles, 286 pages)

### **IALCCE 2020 | Life-cycle, reliability and sustainability of civil infrastructure**

Airong Chen, Xin Ruan, Dan M. Frangopol & Yiannis Tsompanakis (Guest Editors)

Vol. 18, No. 7, 2022 (12 articles, 197 pages)



## EVENTS SPONSORED OR CO-SPONSORED BY IALCCE

**Third International Conference on Lifetime Oriented Design Concepts**, Bochum, Germany, November 12- 14, 2007

**First International Symposium on Life-Cycle Civil Engineering (IALCCE'08)**, Varenna, Lake Como, Italy, June 10-14, 2008

**Asian-Pacific Symposium on Structural Reliability and its Applications (APSSRA'08)**, Hong Kong, China, June 18-20, 2008

**International Conference on Current State and Challenges for Sustainable Development of Infrastructure (EUROINFRA 2009)**, Helsinki, Finland, October 14-15, 2009

**Tenth International Conference on Structural Safety and Reliability (ICOSSAR'09)**, Osaka, Japan, September 13-17, 2009

**The Second International Conference on Fatigue and Fracture in the Infrastructure (FF 2009)**, Philadelphia, PA, USA, July 26 - 29, 2009

**Fifth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2010)**, Philadelphia, PA, USA, July 11 - 14, 2010

**Second International Symposium on Life-Cycle Civil Engineering (IALCCE 2010)**, Taipei, Taiwan, October 27-30, 2010

**International Symposium on Reliability Engineering and Risk Management (ISRERM 2010)**, Shanghai, China, September 23-26, 2010

**Asian-Pacific Symposium on Structural Reliability and its Applications (APSSRA'12)**, Singapore, May 23-25, 2012

**Second National Conference of the Portuguese Group of IABMAS (ASCP 2011)**, Coimbra, Portugal, June 29-July 1, 2011

**Third International Symposium on Life-Cycle Civil Engineering (IALCCE 2012)**, Vienna, Austria, October 3-6, 2012

**Sixth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2012)**, Stresa, Lake Maggiore, Italy, July 8-12, 2012

**International Symposium on Reliability Engineering and Risk Management (ISRERM 2012)**, Yokohama, Japan, August 5-8, 2012

**NDT/NDE for Highways and Bridges: Structural Materials Technology (SMT 2012)**, New York, NY, USA, August 21-23, 2012

**First Int. Conference on Performance-based and Life-cycle Structural Engineering**, The Hong Kong Polytechnic University, Hong Kong, China, December 57, 2012

**2012 Joint Conference of the Engineering Mechanics Institute & 11th ASCE Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability (EMI/PMC 2012)**, University of Notre Dame, South Bend, IN, USA, June 17-20, 2012

**54th Brazilian Congress on Concrete (54CBC)**, Maceió, Brazil, October 8-11, 2012

**Seventh National Seismic Conference on Bridges and Highways (7NSC)**, Oakland, CA, USA, May 22-24, 2013

**Eleventh International Conference on Structural Safety and Reliability (ICOSSAR 2013)**, Columbia University, New York, NY, USA, June 16-20, 2013

**Sixth International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-6)**, The Hong Kong Polytechnic University, Hong Kong, China, December 9-11, 2013



**Seventh International Conference on Bridge Maintenance, Safety and Management (IABMAS 2014)**, Shanghai, China, July 7-11, 2014

**Fourth International Symposium on Life-Cycle Civil Engineering (IALCCE 2014)**, Tokyo, Japan, November 16-19, 2014

**EMI 2015 HK: Engineering Mechanics Institute International Conference 2015 of ASCE**, The Hong Kong Polytechnic University, Hong Kong, China, January 7-9, 2015

**IASS Annual Symposium 2015**, Amsterdam, The Netherlands, August 17-20, 2015

**International Symposium on Reliability of Engineering Systems (SRES 2015)**, Hangzhou, China, October 15-17, 2015

**International Symposium on Reliability of Engineering Systems (SRES 2015)**, Taipei, Taiwan, October 21-24, 2015

**Fifth International Symposium on Life-Cycle Civil Engineering (IALCCE2016)**, Delft, The Netherlands, October 16-19, 2016

**International Symposium on Sustainability and Resiliency of Infrastructure (ISSRI2016)**, Taipei, Taiwan, November 10-12, 2016

**International Conference on Structural Integrity and Durability (ICSID 2017) & 4th ESIS Summer School**, Dubrovnik, Croatia, August 14 - 18, 2017

**Second International Bridges Congress, Design, Construction and (CIPCH 2017)**, Santiago, Chile, October 18-20, 2017

**International Symposium on Life-cycle Safety, Economics and Sustainability of Steel and Concrete Infrastructures (LESSC 2017)**, Taipei, Taiwan, November 9-11, 2017

**JCSS Advanced Course on Structural Reliability and Probabilistic Model Code**, Stellenbosch, South Africa, April 4-11, 2018

**Sixth International Symposium on Reliability Engineering and Risk Management (ISRERM2018)**, National University of Singapore, Singapore, May 31 - Jun 01, 2018

**Ninth International Conference on Bridge Maintenance, Safety and Management (IABMAS2018)**, Melbourne, Australia, July 9-13, 2018

**Annual Symposium of the International Association of Shell and Spatial Structures (IASS 2018, Creativity in Structural Design)**, Boston, USA, July 16-20, 2018

**Sixth International Symposium on Life-Cycle Civil Engineering (IALCCE2018)**, Ghent, Belgium, October 28-31, 2018

**Ninth International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-9)**, Hyatt Regency St. Louis at the Arch, St. Louis, Missouri, USA, August 4-7, 2018

**International Workshop on Life-Cycle Management (IALCCE LCM 2019)**, Rotterdam, The Netherlands, October 27-29, 2019

**International Symposium on Reliability of Multi-disciplinary Engineering Systems under Uncertainty (ISMES 2019)**, Taipei, Taiwan, December 8-12, 2019

**Seventh International Symposium on Life-Cycle Civil Engineering (IALCCE2020)**, Shanghai, China, October 27-30, 2020

**Second International Conference on Advances in Civil Infrastructure and Construction Materials (CICM 2020)**, Dhaka, Bangladesh, December 13-15, 2020

**Tenth International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-10)**, June 30-July 2, 2021

**First Conference of the European Association on Quality Control of Bridges and Structures (EUROSTRUCT 2021)**, Padua, August 29 - September 1, 2021

**Sixth International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2021)**, Tongji University, Shanghai, China, September 7-9, 2021

**Int. Symposium on Emerging Developments and Innovative Applications of Reliability Engineering and Risk Managements (EIRERM 2021)**, Taipei, Taiwan, Oct. 31-Nov. 4, 2021

**Eighth International Symposium on Life-Cycle Civil Engineering (IALCCE2023)**,  
Politecnico di Milano, Milan, Italy, July 2-6, 2023

# IALCCE

## IALCCE HONORS AND AWARDS

### Honorary Membership

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**Luis Esteva Maraboto**, Mexico, 2012

**Mark P. Sarkisian**, USA, 2023

### Fazlur R. Khan Life-Cycle Civil Engineering Medal

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**Dan M. Frangopol**, USA, 2012

**Mark P. Sarkisian**, USA, 2014

**Alfredo H-S. Ang**, USA, 2016

**Hitoshi Furuta**, Japan, 2018

### Senior Award

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**Dan M. Frangopol**, USA, 2008

**Alfredo H-S. Ang**, USA, 2010

**Mark P. Sarkisian**, USA, 2012

**Hitoshi Furuta**, Japan, 2014

**Luis Esteva Maraboto**, Mexico, 2016

**Man-Chung Tang**, USA, 2018

### Junior Award

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**Nader M. Okasha**, Palestine, 2012

**Andr  Orcesi**, France, 2014

**Jamie E. Padgett**, USA, 2016

**Tatiana Garc a Segura**, Spain, 2018

**Sunyong Kim**, Korea, 2018

### Special Service Award

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**Fabio Biondini**, Italy, 2010

**Shi-Shuenn Chen**, Taiwan, 2012

**Konrad Bergmeister**, Austria, 2014

**Alfred Strauss**, Austria, 2014

**Mitsuyoshi Akiyama**, Japan, 2016

**Hitoshi Furuta**, Japan, 2016

**Jaap Bakker**, The Netherlands, 2018

**Han Roebers**, The Netherlands, 2018

### Special Award

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**Emanuele F. Radogna**, Italy, 2008





### **IALCCE Secretariat**

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