



iaLcCe

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



Founded 2006

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.

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 be 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.

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, 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

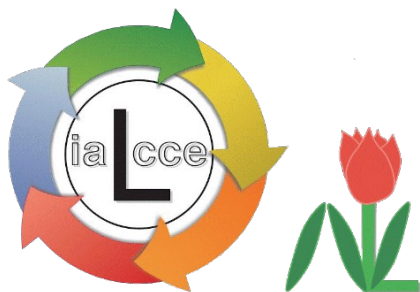
The Dutch group of IALCCE aims to connect national and international developments in the field of Life-Cycle Civil Engineering, in close cooperation with other Dutch organizations. Results of IALCCE international activities are shared, and opportunities for international cooperation are promoted.

Contact person: Jaap Bakker

Date of foundation: October 2019

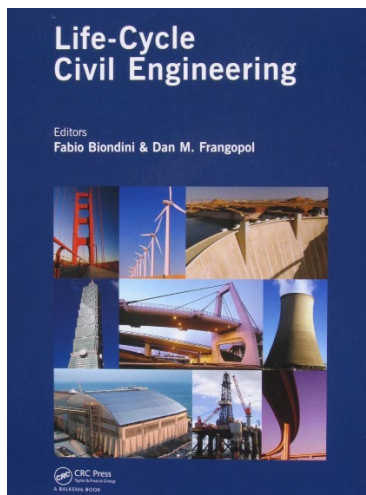
Webpage: <http://www.ialcce-nl.org>

Email: jaap.bakker@rws.nl



2008

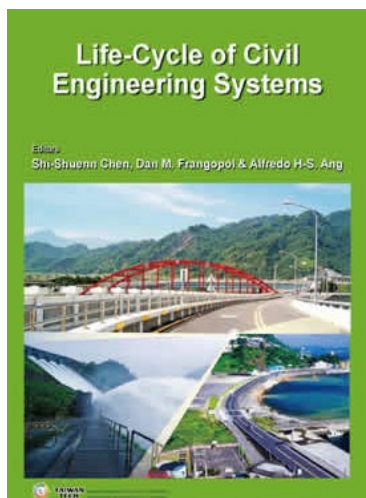
IALCCE 2008



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

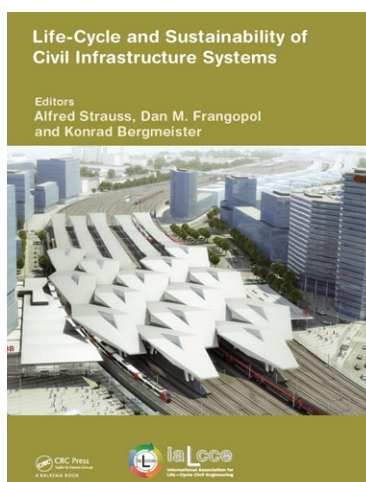
IALCCE 2010



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

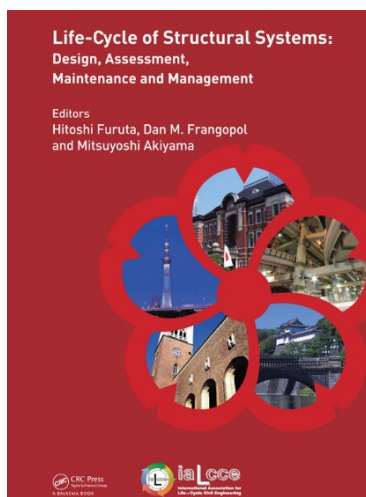
IALCCE 2012



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.

2014

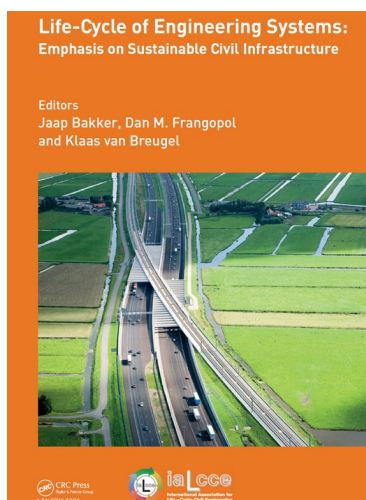
IALCCE 2014



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.

2016

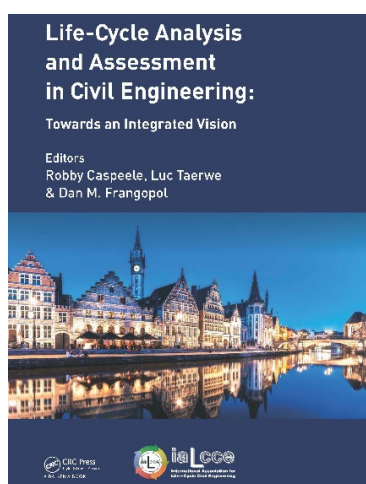
IALCCE 2016



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.

2018

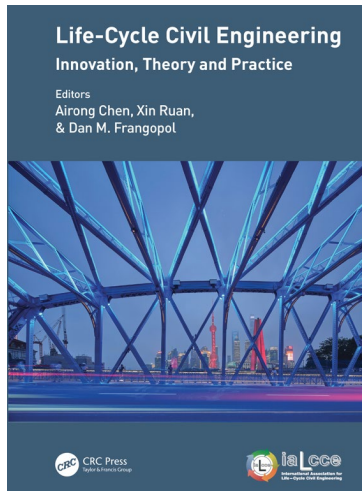
IALCCE 2018



The *Sixth International Symposium on Life-Cycle Civil Engineering* (IALCCE 2018) was held in Ghent, Belgium, on October 28-31, 2018 (<http://www.ialcce2018.org>). The proceedings of IALCCE 2018 have been published by CRC Press, Taylor & Francis Group, as a set comprising a hardbound Book of extended abstracts and a USB card with 399 full papers, including the Fazlur R. Khan lecture, eight keynote lectures, and 390 technical contributions from 52 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 2020

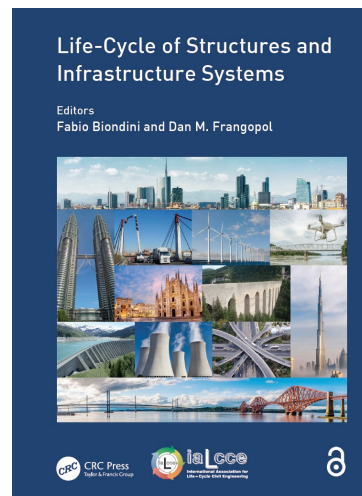
2020



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.

IALCCE 2023

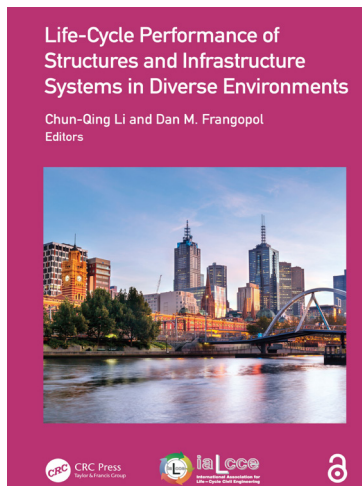
2023



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.

IALCCE 2025

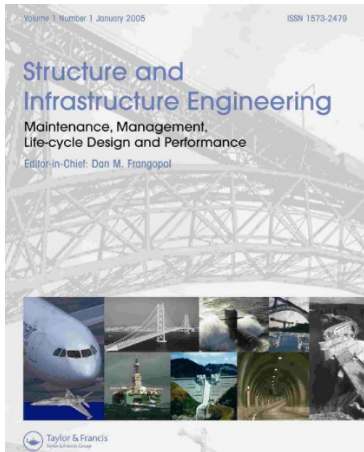
2025



The *Ninth International Symposium on Life-Cycle Civil Engineering* (IALCCE 2025) will be held in Melbourne, Australia, on July 15–19, 2025 (<https://ialcce2025.org>). The proceedings of IALCCE 2025 will be published by CRC Press, Taylor & Francis Group, as an Open Access Book containing 228 full papers, including the Fazlur R. Khan lecture, seven keynote lectures, and 220 technical contributions. 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.

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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>).

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)

IALCCE 2023 | Advances in life-cycle of structures & infrastructure systems

Fabio Biondini, Dan M. Frangopol & Yiannis Tsompanakis (Guest Editors)

First published online, 2025 (16 articles)

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

Second Conference of the European Association on Quality Control of Bridges and Structures (EUROSTRUCT 2023), Vienna, Austria, September 25-29,

International Workshop on Life-Cycle Management (IALCCE LCM-workshop 2024)

Fortress island, IJmuiden, The Netherlands, Oct. 6-8, 2024

Ninth International Symposium on Life-Cycle Civil Engineering (IALCCE2025),

Melbourne, Australia, July 15-19, 2025

IALCCE

IALCCE HONORS AND AWARDS

Honorary Membership

Luis Esteva Maraboto, Mexico, 2012

Mark P. Sarkisian, USA, 2023

Fazlur R. Khan Life-Cycle Civil Engineering Medal

Dan M. Frangopol, USA, 2012

Mark P. Sarkisian, USA, 2014

Alfredo H-S. Ang, USA, 2016

Hitoshi Furuta, Japan, 2018

Luis Esteva Maraboto, Mexico, 2023

Senior Award

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

Michel Ghosn, USA, 2023

Junior Award

Nader M. Okasha, Palestine, 2012

Andr  Orcesi, France, 2014

Jamie E. Padgett, USA, 2016

Tatiana Garc a Segura, Spain, 2018

Sunyong Kim, Korea, 2018

You Dong, Hong Kong, 2023

Special Service Award

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

Robby Caspeepe, Belgium, 2023

Luc Taerwe, Belgium, 2023

Airong Chen, China, 2023

Xin Ruan, China, 2023

Special Award

Emanuele F. Radogna, Italy, 2008



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