

IALCCE 2020

The Seventh International Symposium on Life-Cycle Civil Engineering

27-30 October 2020, Shanghai, China



IALCCE 2020

*The Seventh International Symposium on
Life-Cycle Civil Engineering*

Nowadays, people have realized the importance of creating a sustainable society to avoid or alleviate problems like climate change, environmental pollution or economic crisis. Therefore, the life-cycle thinking of civil engineering is discussed more and more frequently.

Civil engineering is mainly focused on design and construction during the past days, but contemporary society needs civil engineering to pay attention to more aspects, such as inspection, monitoring, repair, maintenance and optimal management of structures and infrastructures, in order to effectively manage the function of these structures throughout their lifetime. Considering these needs, the objective of the International Association for Life-Cycle Civil Engineering (IALCCE) is to promote international cooperation in this field of expertise to enhance the welfare of society. Its mission is to become the premier international organization for the advancement of the life-cycle civil engineering.

Previous editions of the bi-annual IALCCE symposium took place in Varenna, Lake Como (2008), Taipei (2010), Vienna (2012), Tokyo (2014), Delft (2016) and Ghent (2018). The Seventh International Symposium on Life Cycle Civil Engineering (IALCCE 2020) will be organized on behalf of IALCCE under the auspices of Tongji University in Shanghai (China) on October 27-30, 2020.

All major aspects of life-cycle engineering are addressed, with special focus on structural damage processes, life-cycle design, inspection, monitoring, assessment, maintenance and rehabilitation, life-cycle cost of structures and infrastructures, life-cycle performance of special structures, and life-cycle oriented computational tools.

We are looking forward to welcome all of you in Shanghai in 2020!

Special Session SS-14:

Strengthening Infrastructure Risk Management
in the Atlantic Area

Objective of the Special Session SS-14



Jose Matos
University of Minho
Guimaraes, Portugal



Vikram Pakrashi
University College Dublin
Dublin, Ireland



Emilio Bastidas-Arteaga
University of Nantes
Nantes, France

The EU Atlantic Area has extensive road and rail infrastructure but is degrading over time. There is inadequate investment to address all its problems and increased climate-related hazard makes it more vulnerable than ever. Naturally, we must create decision making methods and prioritize investment, intervention/replacement which are aware of such hazards and their evolution over lifetime. This SS addresses the overall lifecycle analyses of this challenge in the widest sense, including monitoring, inspection, repair/rehabilitation and asset management but not limited to them. It will create an interdisciplinary dialogue and impact the global need of better management of road/rail infrastructure.