

# **ISIC 2022 Conference**

By

ISIC Executive Committee

# ISIC 2022, Guimarães, Portugal



AQUI  
NASCEU  
PORTUGAL

Hosted by  
Prof. Antonio Gomes Correia  
University of Minho, Portugal



**ISIC**  
INTERNATIONAL SOCIETY FOR INTELLIGENT CONSTRUCTION



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**ISIC**

# ISIC 2022 – Committees



## ORGANIZING COMMITTEE

(U. Minho)

- António Gomes Correia (Chair)
- Miguel Azenha
- Paulo Cruz
- Paulo Novais
- Paulo Pereira

## CO-ORGANIZERS

- Leaders of WP of ISIC EU Chapter

# ISIC 2022 – Welcome address



The next International Conference of the International Society for Intelligent Construction (ISIC 2022) will be held in Guimarães, Portugal, from September 7 to 9, 2022. The theme of ISIC 2022 is "Trends on Construction in the Post-Digital Era." The historic town center of Guimarães is listed as a UNESCO World Heritage site since 2001. The conference will be hosted by our team at the University of Minho. In 2019, ISIC renamed the International Intelligent Construction Technologies Group (IICTG), launched in Guimarães during the 3rd International Conference of Transportation Geotechnics in 2016.

ISIC 2022 will be our third international conference, following the first one of the IICTG in Minnesota, USA, in 2017 and the second one in Beijing, China, in 2019. ISIC 2022 will follow our mission to serve as a unique platform for promoting intelligent construction applications to improve the quality of construction, cost-saving, the resilience of infrastructure from climate changes, and risk reduction. To achieve those goals, a holistic approach is essential from multidisciplinary fields, including civil engineering, construction machinery, electronic sensor technology, survey/testing technologies, information technology/computing, etc. In this digital era, it is our vision to address societal issues for humans' wellbeing in their physical environments. We anticipate the ISIC 2022 will be well attended by agencies, industries, academics, and consultants in the above fields from all over the world.

On behalf of the organizing committee, I am honored to invite you to the ISIC 2022 in the beautiful city of Guimarães from September 7 to 9, 2022!

Sincerely

Prof. Antonio Gomes Correia  
University of Minho, Portugal

# ISIC 2022 – Theme and Topics

## Trends on Construction in the Post-Digital Era

- Additive Manufacturing and Construction
- Artificial Intelligence (AI) for Design and Built Environment
- Advanced and Edge computing
- Building Information Modelling (BIM)
- City Information Modeling (CIM) and Geographical Information Systems (GIS)
- Collaborative and Participative Design
- Construction Automation and Robotics
- Cyber-Physical Systems
- Data Science and Standards
- Design Concepts and Strategies
- Digital Fabrication Development and Implementation
- Environmental Protection
- Form Finding, Topology and Structural Morphology
- High Precision Survey and Mapping
- Improved Energy Efficient Building Operations
- Infrastructure Life-Cycle Management
- Intelligent Building Control Systems
- Intelligent Construction Sites
- Intelligent Maintenance Technologies
- Internet of Things (IoT) in Architecture and Construction
- Intelligent and Sustainable Environments
- Machine Automation
- Real-Time Construction Monitoring
- Smart Cities
- Simulation, Prediction and Evaluation
- Emerging Technologies

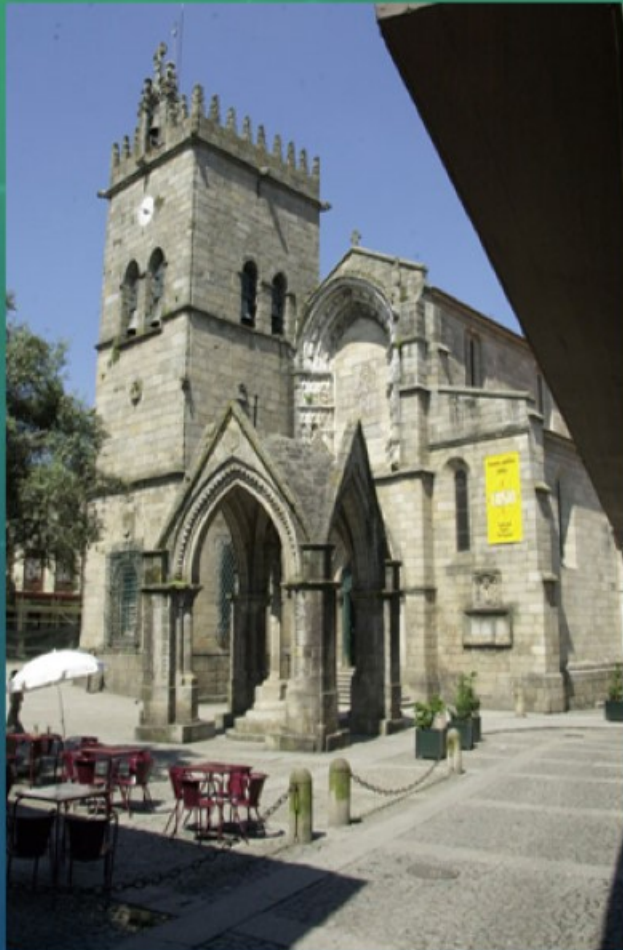
# ISIC 2022 – Program



- Day 1 – Mini-symposia, Short Courses and Workshops
- Day 2/3 – Honors Lectures, Main Lectures, Subcommittee Reports-Special sessions, Technical Sessions.
- Conference Publication – Indexed in WoS and Scopus, Associated journals



## The city - GUIMARÃES



## Oliveira Place





## The city - GUIMARÃES





## The city - GUIMARÃES

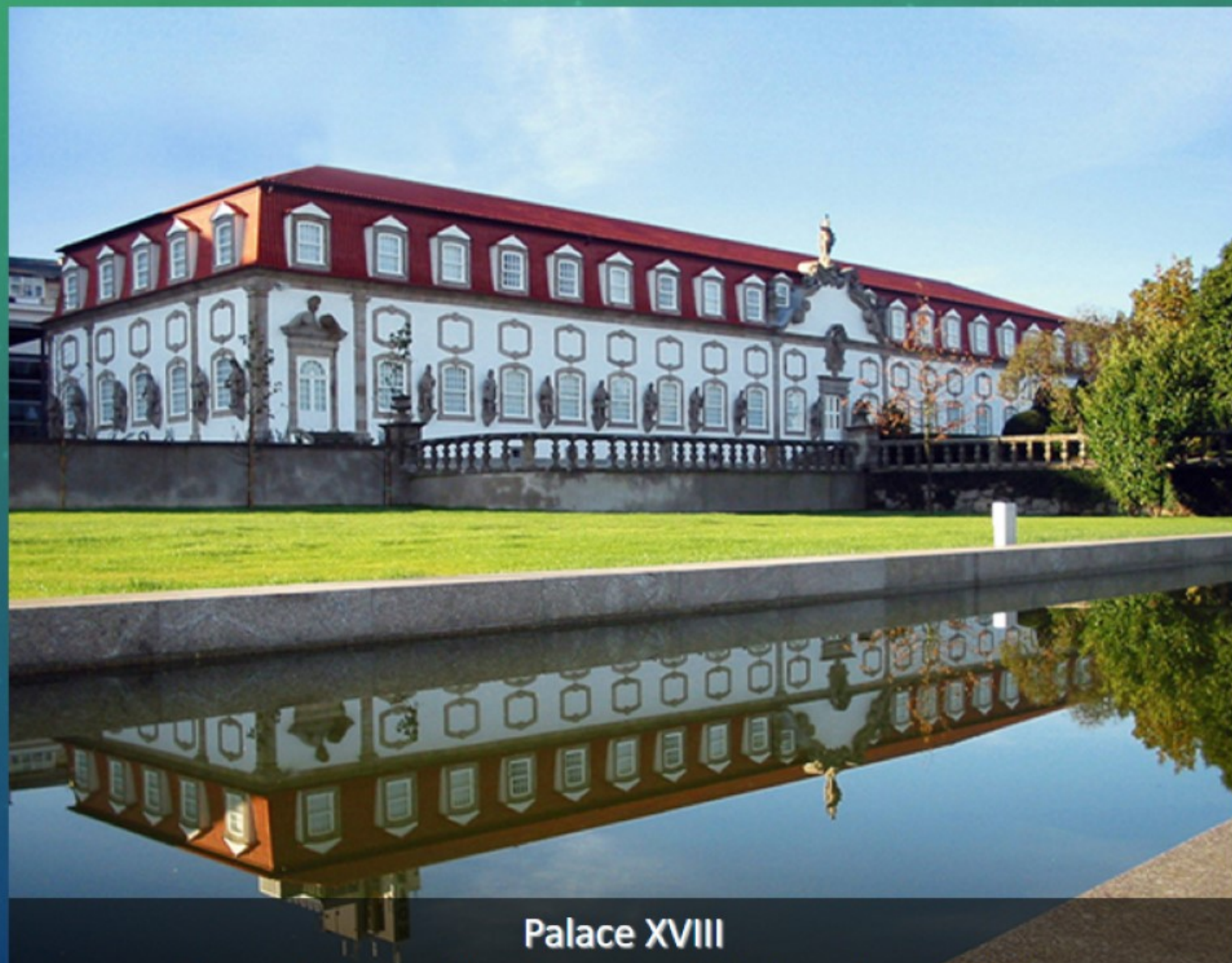


City Wall





## Venue – Cultural Centre Vila Flor



Palace XVIII  
Start of Guimarães Campus of University of Minho



## The venue – Cultural Centre Vila Flor



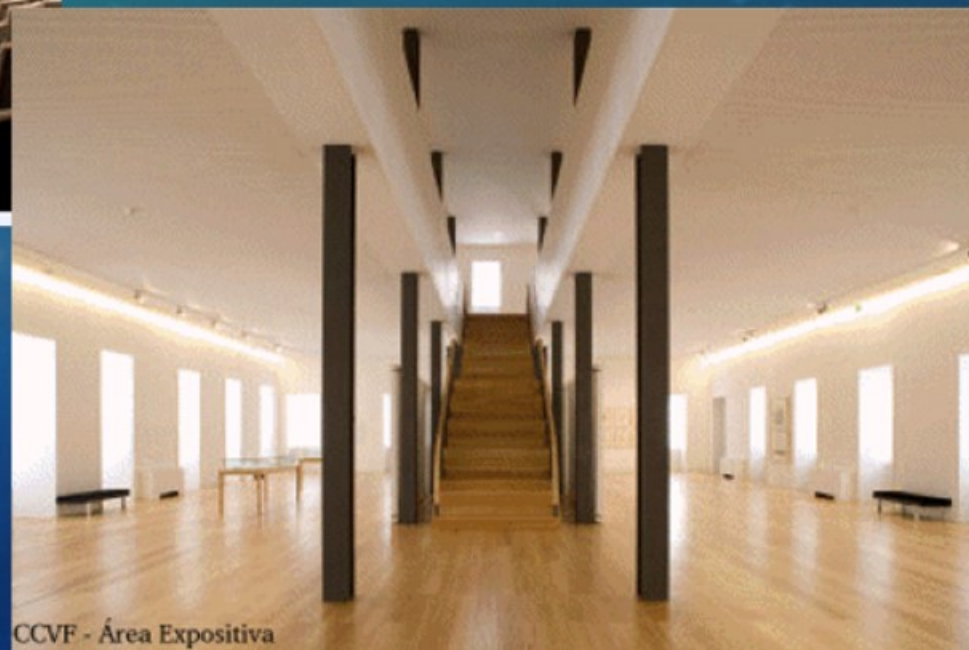


## The venue – Cultural Centre Vila Flor



Conference room 800 seats

Exhibition area – 1000 m<sup>2</sup>





## Historic Palace accomodation – Pousada de Sta. Marinha



# ISIC 2022

## Trends on Construction in the Post-Digital Era

7-9 September 2022

Guimarães, Portugal

[www.icisic2022.com](http://www.icisic2022.com)

[icisic2022@civil.uminho.pt](mailto:icisic2022@civil.uminho.pt)



A MUST-ATTEND CONFERENCE  
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SAVE THE DATE