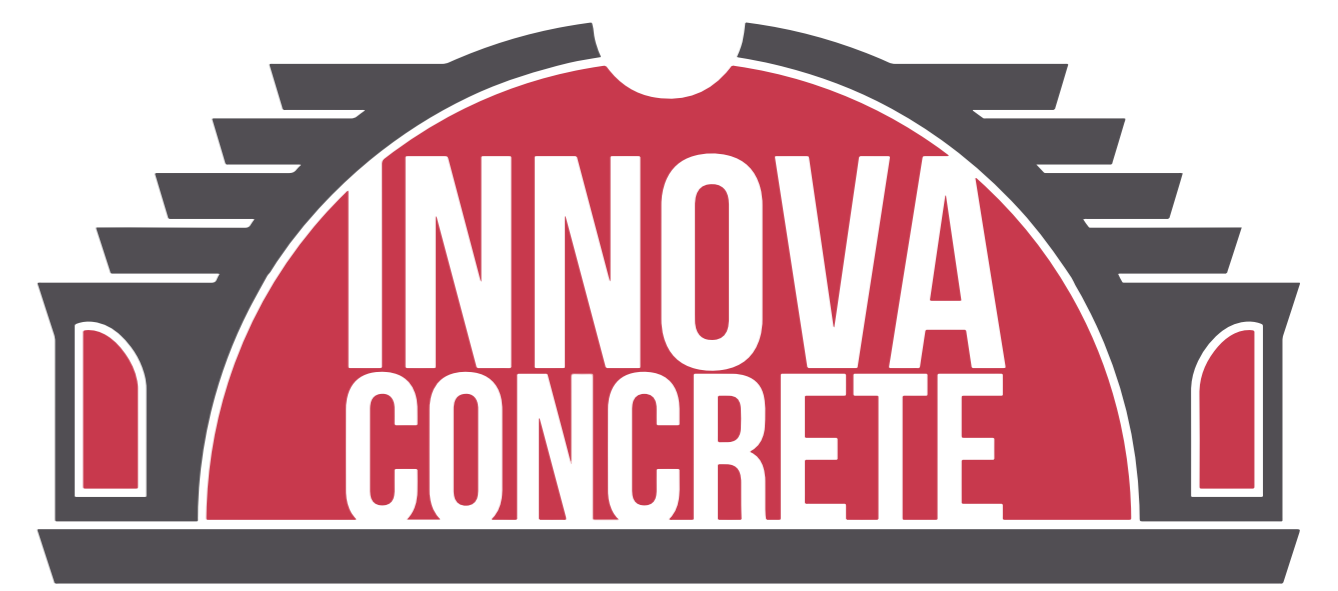


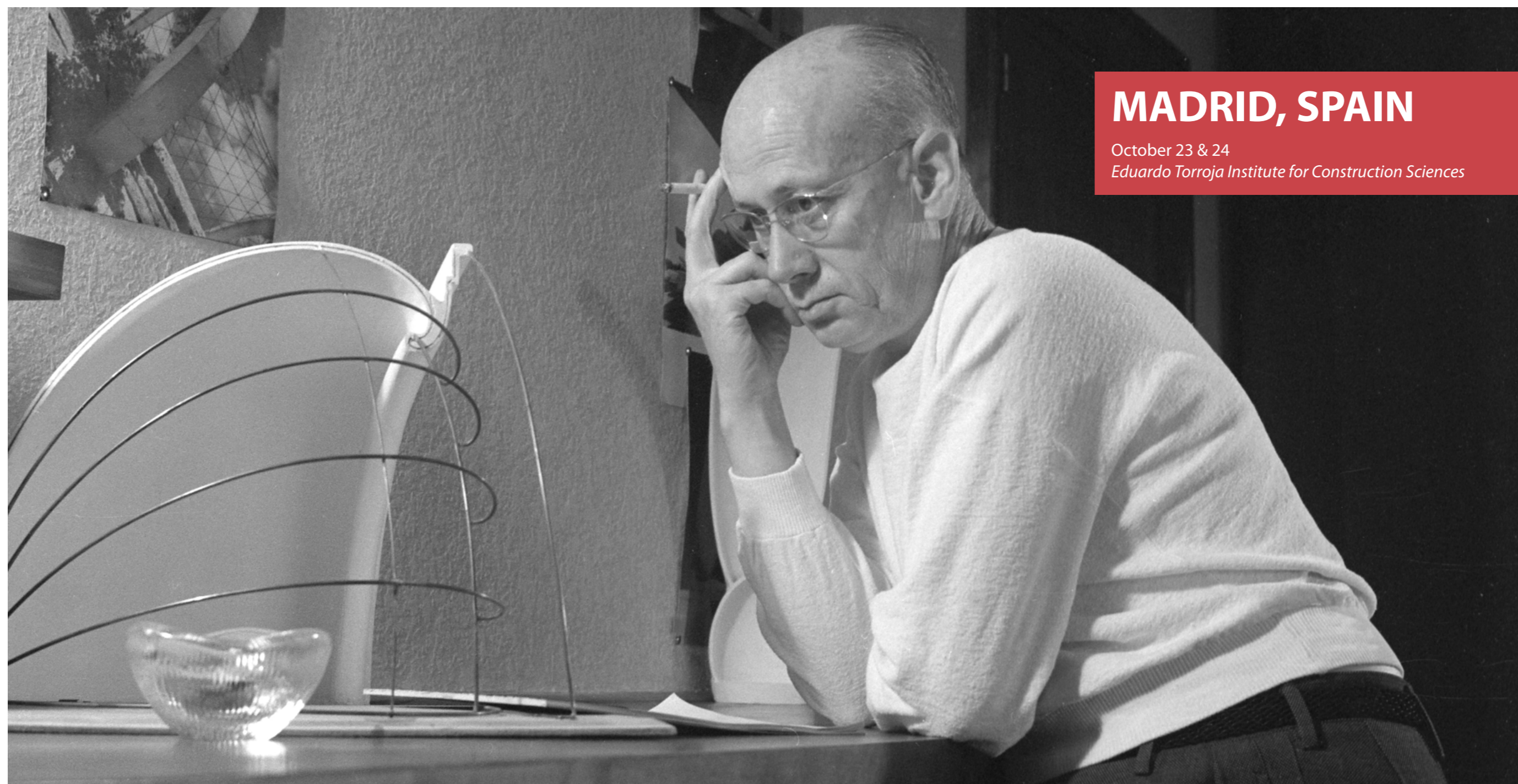
# 1st InnovaConcrete Workshop:

# The work of Eduardo Torroja and the Modern Architecture



Innovative Materials and Techniques for the Conservation of the 20th Century Concrete-based Cultural Heritage

## WORKSHOP



## MADRID, SPAIN

October 23 & 24  
Eduardo Torroja Institute for Construction Sciences

## AGENDA

### Objectives:

- (i) To disseminate the targets, challenges and first results of InnovaConcrete project.
- (ii) To disseminate the knowledge of concrete heritage conservation of the 20th Century with special emphasis in the Modern Architecture.
- (iii) To promote citizen awareness around concrete heritage and especially around the work of Eduardo Torroja as an example of the Spanish Modern Architecture.

### Tuesday, October 23, 2018

- 9,15 **1. Welcome - The InnovaConcrete Research Project**  
• InnovaConcrete Workshop and Introduction Presentation  
María Jesús Mosquera, InnovaConcrete Coordinator (UCA)
- 9,30 **2. Welcome - Cultural Heritage in Europe Scenario**  
• The European Year of Cultural Heritage 2018. Cultural Heritage in Horizon2020 programme  
Lucía Íñigo, Spanish Delegate NMBP Programme Committee in Horizon2020 programme
- 10,00 **3. Keynote - Magisterial Conference**  
• The Origin of Modern Architecture in Spain: Standardization and Industrialization in Social Housing  
Carlos Sambricio, Historian - Professor (UPM)
- 11,00 **Coffee break**
- 11,30 **4. Concrete heritage: Approaches, Pathologies, Conservation Techniques & Products**  
• Conservation Approaches: Challenges and Principles for Concrete Heritage Conservation and Interventions  
Gunny Harboe (ICOMOS)  
• Concrete Pathology: Characteristics and Properties of Concrete Heritage  
Paul Gaudette, Wiss, Janney, (Elstner Associates Inc.)  
• Concrete Repair Manufacturer and Industry: Products and Repair Systems  
Ramiro García (SIKA)
- 13,30 **Lunch**
- 15,00 **5. InnovaConcrete Project: Scientific Targets and Preliminary Results**  
• Materials for Preserving Historic Concrete: Impregnation Techniques vs. Coatings  
Noni Maravelaki (TUC)  
• Restoring Heritage Concrete by Producing Gel CSH: Modelling Approaches  
Jorge S. Dolado (CFM-CSIC/UPV/EHU)  
• Techniques and Tools to Study the Treatment-Concrete Interaction  
Inés García Lodeiro (IETCC-CSIC)  
• InnovaConcrete Case Studies: Choice, Sampling and In Situ Validation  
José A. Caro (INES)
- 16,40 **6. InnovaConcrete Project: Social Targets and Preliminary Results**  
• EU 20 and 100 of Noteworthy 20th Century Concrete Heritage  
Susana Landrove (DOCOMOMO)  
• ICOMOS ISC20C Heritage Benchmark Document: Approaches in Conservation for Concrete Heritage  
Kyle Normandin (ICOMOS ISC20C)
- 17,30 **Coffee break**
- 18,00 **7. Summary and Concluding Remarks**  
• María J Mosquera, InnovaConcrete Coordinator & Gunny Harboe, Chair of Awareness Committee

### Wednesday, October 24, 2018

- 9,15 **8. Eduardo Torroja and his Work**  
• Meaning and Heritage Value of the Eduardo Torroja's Work  
M<sup>a</sup> Josefa Cassinello (UPM)
- 10,10 **Coffee break**
- 10,40 **9. InnovaConcrete on Site: Instituto Eduardo Torroja**  
• Eduardo Torroja Institute. Case study  
Elena Frías / Juan Queipo de Llano (IETCC-CSIC)  
• Analysis of Social-Economic Value of Heritage Concrete: Results from Torroja Case Studies  
Adolfo Chica (UCA)  
• Presentation of User-Friendly Web Interface Containing Reconstructed in 3D Case Studies: Torroja Buildings  
Fabio Cerioni (TECHEDGE)
- 12,00 **10. Technical Visit to Eduardo Torroja Institute**  
Juan Queipo de Llano / Elena Frías (IETCC-CSIC)
- 13,00 **Shuttle Bus from IETCC to Zarzuela Racecourse**
- 13,30 **Lunch**
- 15,00 **11. The Hippodrome Value**  
• The Restoration of the Zarzuela Racecourse  
Jerónimo Junquera, Architect restorer of the monument (UPM)
- 16,00 **12. Technical Visit to Zarzuela Racecourse**  
Jerónimo Junquera (UPM)
- 17,45 **Coffee Break**
- 19,30 **Shuttle bus from Zarzuela Racecourse to IETCC**

### Practical Demonstrations

A stand with practical demonstrations of products and techniques developed in InnovaConcrete (materials and plasma atmospheric device, etc.) will be available during the complete session.

A stand showing information about the other case studies (including sampling videos, information about concrete from monuments...) will be also available.

## ORGANIZATION

### Eduardo Torroja Institute Workshop Coordination

María Teresa Blanco  
Elena Frías  
Juan Queipo de Llano  
Inés García Lodeiro  
Paula Carmona  
Alicia Pachón

**UCA.** María J. Mosquera. Project Coordination  
**ICOMOS.** Gunny Harboe. Awareness Committee  
**beWarrant SL.** Isella Vicini. Dissemination Manager

### Contact

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Registration: <http://www.innovaconcrete.eu/innovaconcrete-madrid-workshop/>

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### IETCC-CSIC

**CSIC**  
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement N° 760858

[www.innovaconcrete.eu](http://www.innovaconcrete.eu)

