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

1st InnovaConcrete Workshop:
The work of Eduardo Torroja and the Modern Architecture

MADRID, SPAIN
October 23 & 24
Eduardo Torroja Institute

PARTICIPANTS

Eduardo Torroja Institute
Workshop Coordination
María Teresa Blanco
Elena Frias
Juan Queipo de Llano
Inés García Lodeiro
Paula Carmona
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ORGANIZATION

UCA. María J. Mosquera. Project Coordination

ICOMOS. Gunny Harboe. Awareness Committee

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Registration: www.innovaconcrete.eu/innovaconcrete-madrid-workshop/

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Tuesday, October 23, 2018

9,15 1. Welcome - The InnovaConcrete Research Project  
   • InnovaConcrete Workshop and Introduction Presentation  
     Maria 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  
     Lucia Higo, 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 Sambriocio, 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 C-S-H: 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  
   • Maria Jesús 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  
     Maria Josefa Cassinello (UPM)

10,10 Coffee break

10,40 9. InnovaConcrete on Site: Instituto Eduardo Torroja  
   • Eduardo Torroja Institute. Case Study  
     Elena Frias / 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 Frias (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, Torroja Museum Visit

19,30 Shuttle bus from Zarzuela Racecourse to IETcc

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Objetives:  
(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.

Attendees, Stakeholders and Interested Persons:  
Conservation Professionals, Professional Councils, Students of Universities, Specialty Craftman and Restorers in Concrete Heritage, Public Administrations, Researchers working in Cultural Heritage conservation, Conservation products manufacturers.

Contact: ic@ietcc.csic.es

Registration: www.innovaconcrete.eu/innovaconcrete-madrid-workshop/
Venue: Instituto de Ciencias de la Construcción Eduardo Torroja - CSIC
C/ Serrano Galvache, 4. Madrid
Tel: +34 91 302 04 40

PRACTICAL DEMONSTRATIONS  
A stand with practical demonstrations of products and techniques developed in InnovaConcrete (materials and plasma atmospheric device) 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.