



# InnovaConcrete ROME Workshop

The Concrete Architecture in the Mediterranean Areas  
and the work of Pier Luigi Nervi

ROME, ITALY

February 21 & 22

Consiglio Nazionale delle Ricerche – CNR

Piazzale Aldo Moro 7, 00185 Roma (Italy)

AULA CONVEGNI



UNDER THE PATRONAGE OF

**DTC** LAZIO  
DISTRETTO TECNOLOGICO  
BENI E ATTIVITÀ CULTURALI  
CENTRO DI ECCELLENZA



## ORGANIZERS





# INNOVA CONCRETE ROME workshop Agenda

## New technologies applied to concrete restoration

Day 1 - THURSDAY, FEBRUARY 21, 2019

**8:30 – 8:45 | Registrations**

**8:45 – 9:00 | Welcome – The InnovaConcrete Research Project**

[María Jesús Mosquera](#), InnovaConcrete Coordinator (University of Cádiz)

**9:00 – 9:15 | Welcome – Italian Ministry of Cultural Heritage and Activities**

[On. Gianluca Vacca](#), Undersecretary of State for the Ministry of Cultural Heritage and Activities

**9:15 – 9:20 | Welcome - Center of Excellence of the Technological District for new technologies for cultural assets and activities of the Lazio Region (DTC Lazio)**

[Roberto Natalini](#), CNR Representative at DTC Lazio

**9:15– 9:30 | Welcome – Order of Architects of Rome**

[Maria Giuseppina Gimma](#), (Order of Architects of Rome).

**9:30 – 09:45 | Cultural Heritage in European Scenario**

[Serena Borgna](#), Italian National Contact Point NMBP in Horizon 2020 programme

**09:45 – 10:45 | Nanomaterials for Cultural Heritage**

[Piero Baglioni](#), CSGI

**10:45 – 11:15 | Coffee break**

**11:15 – 13:15 | InnovaConcrete materials: target and results**

[María Jesús Mosquera](#), InnovaConcrete Coordinator (University of Cádiz)

*Every scientific partner will present the results obtained during the first year of the project.*

11:15 – 11:30 | “Surfactant assisted-based impregnation Treatments”, University of Cádiz

11:30 – 11:45 | “Consolidants with high affinity for carbonate species”, Technical University of Crete

11:45 – 12:00 | “Transformation of cement to a self-healing hybrid binder: calcium carbonate and polyphosphate”, Johannes Gutenberg-Universität Mainz

12:00 – 12:15 | “Smart nanostructured materials for corrosion inhibition”, *Consiglio Nazionale delle Ricerche*

12:15 – 12:30 | “Cementitious coatings based on Halloysite nanotubes”, Consorzio Interuniversitario CSGI

12:30 – 12:45 | “An atmospheric plasma device for in situ treatments” Vacuum and Plasma Tech SR

12:45 – 13:00 | “The use of modelling approaches to restore historic concrete”, Technische Universität Darmstadt

13:00 – 13.15 | “Study of degradation in concrete monuments”, CSIC-Instituto de Ciencias de la Construcción Eduardo Torroja

**13:15 – 13:30 | Summary and concluding remarks**

**13:30 – 14:30 | Lunch**

**14:30 – 15:30 | Open questions and round table on the InnovaConcrete materials**

**15:30 – 16:30 | Round table and interactive discussion in monuments: targets and results**

- **Short presentation of the monuments case study and results reached so far:** 1) Centennial Hall (Wrocław), 2) Elogio del Horizonte (Gijón), 3) Eduardo Torroja Institute and Zarzuela Racehorse (Madrid), 4) Warsaw Train Station (Warsaw), 5) Monumenti ai caduti di Torricella Peligna (Chieti), 6) Kaunas Ninth Fort Monument (Kaunas), Stadio Flaminio (Roma).
- **The restoration of monuments: an introduction**  
[Maria Giuseppina Gimma](#), Specialist in Restoration of Monuments (Order of Architects of Rome for restoration, cultural heritage and conservation).

**16:30 – 16:40 | Summary and Concluding Remarks**



# INNOVA CONCRETE ROME workshop Agenda

## New technologies applied to concrete restoration

Day 2 - FRIDAY, FEBRUARY 22, 2019

**08:45 – 09:00 | Welcome**

**09:00 – 10:00 | Overview on concrete Cultural Heritage in the Mediterranean area**

*Fulvio Irace* (Politecnico di Milano)

**10:00 – 10:30 | Historical and Philosophical intervention**

*Gunny Harboe* (ICOMOS – Chair of the InnovaConcrete Awareness Committee)

**10:30 – 11:00 | Coffee break**

**11:00 – 12:00 | InnovaConcrete social targets: preliminary results**

- InnovaConcrete monuments: the 20 of the 20th  
*Fernando Espinosa de los Monteros* (DOCOMOMO)
- Conservation approaches developed in InnovaConcrete  
*Kyle Normandin* (ICOMOS)
- Virtual reality of concrete memorial tower in Torricella Peligna (Chieti)  
*Fabio Cerioni* (TECHEDGE)
- InnovaConcrete exploitation out of the boundaries of the research project  
*Ramiro Garcia* (SIKA)

**12:00 – 13:15 | Concrete Heritage: a focus on PierLuigi Nervi monuments'**

- Pier Luigi Nervi, Art and Science of Building in Concrete  
*Cristiana Chiorino*, (Pier Luigi Nervi Project Association)
- Conservation plan of the Flaminio Stadium: structural aspects  
*Francesco Romeo* (Sapienza Università di Roma)
- InnovaConcrete results on the Flaminio Stadium  
*Gabriella Di Carlo* (CNR)
- Round table/discussion

**13:15 – 13:30 | Summary and concluding remarks**

*Isella Vicini* (beWarrant, InnovaConcrete Communication Manager) and *Gabriella Di Carlo* (Consiglio Nazionale delle Ricerche – CNR)

**13:30 – 14:30 | Light Lunch**

**14:30 – 15:00 | Closing event: demonstrative stands and videos**

- #innovaconcreteinrome Instagram Contest: awards ceremony