



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





INNOVA CONCRETE ROME workshop Agenda

New technologies applied to concrete restoration

Day 1 - THURSDAY, FEBRUARY 21, 2019

8:30 – 8:50 | Registrations

8:50– 9:00 | Welcome – Order of Architects of Rome

Maria Giuseppina Gimma, (Ordine degli Architetti di Roma per il restauro, i Beni Culturali e la Conservazione).

9:00 – 9:15 | Welcome – The InnovaConcrete Research Project

María Jesús Mosquera, InnovaConcrete Coordinator (University of Cádiz)

9:15 – 09:30 | Cultural Heritage in European Scenario

Serena Borgna, Italian National Contact Point NMBP in Horizon 2020 programme

09:30 – 10:30 | Nanomaterials for Cultural Heritage

Piero Baglioni, CSGI

10:30 – 11:00 | Coffee break

11:00 – 13:00 | 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.

11.00 – 11.15 | Surfactant assisted-based impregnation Treatments, University of Cádiz

11.15 – 11.30 | “Consolidants with high affinity for carbonate species”, Technical University of Crete

11.30 – 11.45 | “Transformation of cement to a self-healing hybrid binder: calcium carbonate and polyphosphate”, Johannes Gutenberg-Universität Mainz

11.45 – 12.00 | “Smart nanostructured materials for corrosion inhibition”, *Consiglio Nazionale delle Ricerche*

12.00 – 12.15 | “Cementitious coatings based on Halloysite nanotubes”, Consorzio Interuniversitario CSGI

12.15 – 12.30 | “An atmospheric plasma device for in situ treatments” Vacuum and Plasma Tech SR

12.30 – 12.45 | “The use of modelling approaches to restore historic concrete”, Technische Universität Darmstadt

12.45 – 13.00 | “Study of degradation in concrete monuments”, CSIC-Instituto de Ciencias de la Construcción Eduardo Torroja

13:00 – 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 (Madrid), 4) Warsaw Train Station (Warsaw), 5) Monumento ai caduti di Torricella Peligna (Chieti), Kaunas Ninth Fort Monument (Kaunas), 6) Zarzuela Racehouse (Madrid) e 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

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Day 2 - FRIDAY, FEBRUARY 22, 2019

08:45 – 09:00 | Cultural Heritage in Italian scenario

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

15:00 – 17:00 | Technical visit