

11 MAY 2022 – 9.00 A.M.

CONFERENCE OPENING

**LUCA MOLINARI**

SCIENTIFIC DIRECTOR OF M9 - MUSEUM OF THE 20TH CENTURY

**BENNO ALBRECHT**

RECTOR IUAV UNIVERSITY OF VENICE

**LUCA BRUNESE**

RECTOR UNIVERSITY OF MOLISE

**PIERCARLO ROMAGNONI**

DIRECTOR OF THE DEPARTMENT OF PROJECT CULTURES  
IUAV UNIVERSITY OF VENICE

**FABIO FERRUCCI**

DIRECTOR OF THE DEPARTMENT OF HUMANITIES SOCIAL SCIENCES AND EDUCATION  
UNIVERSITY OF MOLISE

**ROBERTO BERALDO**

PRESIDENT OF THE ORDER OF CONSERVATIVE AND LANDSCAPE ARCHITECTS OF THE PROVINCE OF VENICE

**URBANO STRADA**

PRESIDENT CPM APAVE ITALIA

CONFERENCE PRESENTATION

**PAOLO FACCIO** - IUAV UNIVERSITY OF VENICE  
**AGOSTINO CATALANO** - UNIVERSITY OF MOLISE

10.00 INAUGURAL CONFERENCE

**ENRICO SICIGNANO**

*What future for reinforced concrete architecture in the 21st century?*

SESSION 1

10.30 to 13.00 hours

THE ROLE OF MAINTENANCE FOR NEW DESIGNED BUILDINGS IN THE SEISMIC ZONE

Chairman: **Marco Pretelli**

General Conference: **Enzo Siviero**

ARTICLES PRESENTATION

11.00 **Laura Calcagnini, Luca Trulli**

*Photoluminescent concrete. Material innovation applied to road infrastructure.*

11.15 **Fabiola Colmenero Fonseca, Antonio Aceves Ascencio, Luis Palmero Iglesias, Ponce Sánchez, Violeta Ortega Bertha, Martín Rafael Del Campo Alatorre**

*Molding concrete in the 20th century, preserving it in the 21st. Reflections from Guadalajara, Jalisco, Mx.*

11.30 **Liqian Guan, Junwu Dai, Defeng Xu, Xuran Weng**  
**Seismic Collapse Mode of RC Frame Building Structure**

11.45 **Fabio Minutoli**

*Concrete sandwich panels: tradition, innovation, experimentation.*

12.00 **Chiara Ormando, Ugo Ianniruberto, Sonia Giovinazzi, Paolo Clemente**

*Seismic safety in the 21st century: seismic isolation in new and existing r.c. buildings.*

12.15 **Alessandro Rogora**

*First experiments on papercrete conglomerates*

*at the Politecnico di Milano*

12.30 **Beatriz E. Mira Rada, Andres Salas Montoya**  
*Evaluation of key parameters on the properties of natural and recycled aggregate concretes*

12.45 **Renato Iovino, Emanuele La Mantia**  
*Mix design of a durable concrete. The experimentation.*

SESSION 2

15.00 – 18.00 hours

MAINTENANCE AND REUSE OF INDUSTRIAL ARCHITECTURES

Chairman: **Roberto Parisi**

General Conference: **Francesca Castanò**

ARTICLES PRESENTATION

15.30 **Francesca Albani, Matteo Gambaro**  
*Bossi textile industry in Cameri, Gregotti – Meneghetti – Stoppino, 1968. Debates and proposals for conservation and reuse.*

15.45 **Roberto Castelluccio, Veronica Vitiello**  
*City of Science: from the reconversion of the industrial site to the reconstruction of a cultural identity.*

16.00 **Angelo Bertolazzi, Elisa D'Agno, Giorgia Fattori, Andrea Piccinato, Giorgio Croatto, Umberto Turrini**  
*The reuse of reinforced concrete industrial buildings with nested-building systems. The case of the ex-Tobacco Factory in Verona (1930-65).*

16.15 **Giuliana Di Mari, Emilia Garda**  
Concrete, design, industry. the Olivetti of Marco Zanuso.

16.30 **Roberto Parisi**

*Giovannoni and beton armé in the architecture of Peroni in Rome*

16.45 **Adolfo F. L. Baratta, Fabrizio Finucci, Antonio Magarò, Massimo Mariani**  
*Water retaining structures made of reinforced concrete block masonry in Sub-Saharan Africa*

17.00 **Livio Petriccione**

*Concretes at the limit. the use of conglomerate in the works of the permanent fortification of the eastern frontier.*

17.15 **Francesca Castanò, Anna Gallo**  
*Figini and Pollini's factories: from Olivetti to manifattura ceramica Pozzi*

20.00 hours

SOCIAL DINNER AT VILLA SPINEDA DAL VESCO

12 MAY 2022 – 9.00 HOURS

SESSION 3

9.00 – 12.00 hours

MAINTENANCE DESIGN FOR HISTORICIZED REINFORCED CONCRETE ARCHITECTURES. DIAGNOSTICS AND SENSORS FOR PROGRAMMED MAINTENANCE IN THE INDUSTRIAL ERA 4.0

Chairwoman: **Stefania Mornati**

General Conference: **Maurizio Nicoletta**

ARTICLES PRESENTATION

9.30 **Special Session IUAV – ClusterLAB HeModern**  
**Paolo Faccio, Paola Scaramuzza, Bénédicte Gandini, Greta Bruschi, Sara Di Resta, Verdiana Peron, Erica Lenticchia, Rosario Ceravolo, Cristina Mosca, Giacinta Jean, Alberto**

Bologna, Marta Caroselli, Francesca Pasquat

10.00 **Pepa Cassinello**

*Eduardo Torroja Museum. The man and his legacy.*

10.15 **Mara Blonda, Patrizia Dellavedova**

*20TH Century reinforced concrete bridges. Bridges on the Olona river in Legnano between history and maintenance.*

10.30 **Patricia Máximo Romero, Rogelio Ramos Aguilar, José Gilberto Otoniel Muñoz Flores**

*Techniques for historical buildings rehabilitation usin concrete and others materials*

10.45 **Rosa Agliata, Antonio Bortone, Raffaella Lione, Luigi Mollo**  
*Bim-based cultural heritage maintenance tools: an innovative perspective for knowledge and conservation of 20th century reinforced concrete buildings.*

11.00 **Maurizio Nicoletta**

*New challenges for the recovery of postwar concrete works*

11.15 **Maria Antonietta De Vivo, Leila Signorelli, Francesco Trovò**  
*History of past interventions and current maintenance. The case of the concrete tank in the Old School of Misericordia in Venice*

11.30 **Rosa Maria Vitrano**

*Vernacular architecture in insular italy heritage to preserve and value*

11.45 **Emanuele La Mantia**

*Considerations and comparisons between ancient and modern concrete*

12.00 **Devis Zanardo, Francesca Cappelli**

*Certified maintenance as evolution of restoration through the process of control and sustainable management of the "rationalist" building Pediatric Pavilion, an example of social philanthropy, designed by the engineer Pietro Motta Jr in Mogliano Veneto - Treviso*

12.15 **Claudia Sicignano, Pierfrancesco Fiore**

*The architecture of Sacred Space by Rudolf Schwarz: St. Anne's church in Düren, Germany.*

12.30 **Ilaria Giannetti, Stefania Mornati**

*"Critical elements" of reinforced concrete bridges: Gerber saddles, history and degradation.*

12.45 **Luis Manuel Palmero Iglesias, Graziella Bernardo**

*The brise-soleil as a formal and functional component in the architecture of the modern movement*

13.00 **Maxime Fontan**

*APStructure: a dynamic monitoring to support the predictive maintenance of structures*

SESSION 4

14.45 - 16.20 hours

SPECIAL SESSION - TECHNICAL SEMINARS

Chairwoman: **Rosa Maria Vitrano**

15.00 **DOMODRY**

**Roberto Castelluccio, Carlo Ostorero, Michele Rossetto**  
**CNT Apps - Charge Neutralization Technology – Research Project**  
*L'efficacia del metodo cnt per l'eliminazione e prevenzione dell'umidità di risalita nelle strutture edilizie*

15.20 **MAPEI**

**Giorgio Ferrari**

*Innovative technologies of the products used for the Genoa Bridge*

15.40 **MAPEI**

**Umberto Rico**

*FRP and HPC composites in the light of obtaining the specific CVT (Certificate of Technical Assessment)*

16.00 **BIEMME**

**Isabella Magrini**

*Securing industrial buildings with anti-seismic devices*

SPECIAL SESSION 5

16.20 – 18.00 hours

PREFACE OF BOOKS

Chairwoman: **Antonella Guida**

16.30 *Writings in honour of Aldo de Marco*  
by **Renato Iovino**

**Agostino Catalano**

*Introduction*

**Renato Iovino**

*Memories of Aldo de Marco, my teacher*

**Francesco Chinellato**

*"Like a wisp of smoke..."*

*Notes in the margin of a memory of Aldo de Marco*

**Giorgio Cacciaguerra**

*Two friends touring Carnia in Friuli. A brief history of a friendship and the origins of a university research topic*

**Enrico Sicignano**

*Aldo de Marco: the teacher, the intellectual, the man*

17.15 *Nervi in Africa. Architectures and projects 1964-1980*  
by **Micaela Antonucci and Gabriele Neri**  
Preface: **Marzia Marandola**

17.30 *Stories and visions of a necessary town*  
by **Gianluca Prestigiacomo**  
Preface: **Andrea Curcione**

18.00 – 19.00 hours

Guided tour of the M9 permanent exhibition

19.00 hours

CONFERENCE CLOSURE

**PAOLO FACCIO**

**AGOSTINO CATALANO**

Awarding of the "Best contribution of a young researcher" prize by the Scientific Committee