



















Architettura Manutenzion































CONCRETE2021

MAINTENANCE CRITERIA OF EXISTING AND NEW DESIGN BUILDINGS IN THE 21st CENTURY

11 and 12 May 2022

CESARE DE MICHELIS AUDITORIUM M9 - '900 MULTIMEDIA MUSEUM | VENEZIA MESTRE





11 MAY 2022 - 9.00 A.M.

LUCA MOLINARI

SCIENTIFIC DIRECTOR OF M9 - MUSEUM OF THE 20TH CENTURY

BENNO ALBRECHT

RECTOR IUAV UNIVERSITY OF VENICE

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PIERCARLO ROMAGNONI

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FABIO FERRUCCI

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ROBERTO BERALDO

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

URBANO STRADA

PRESIDENT CPM APAVE ITALIA

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

Chairman: Marco Pretelli General Conference: Enzo Siviero

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 Guadalaiara, Jalisco, Mx.

11.30 Ligian 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, Panin 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 of 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

Chairman - Roberto Parisi General Conference: Francesca Castanò

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'Agnolo, 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

12 MAY 2022 - 9.00 HOURS

SESSION 3 9.00 - 12.00 hours

Chairwoman: Stefania Mornati General Conference: Maurizio Nicolella

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 Pasqual

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 Munoz 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 Nicolella

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

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

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

19 NO hours

PAOLO FACCIO **AGOSTINO CATALANO**