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.
CONFERENCE OPENING
LUCA MOLINARI
SCIENTIFIC DIRECTOR OF MY - MUSEUM OF THE 20TH CENTURY
BENNO ALBRECHT
RECTOR IUAV UNIVERSITY OF VENICE
LUCA BRUNENSE
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 ARCHITECTURAL PROFESSIONS - IUAV UNIVERSITY OF VENICE
URBANO STRADA
PRESIDENT CFM 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
Photochromic concrete: Material innovation applied to road infrastructure.
11.15 Fabiola Colmenore Fonseca, Antonio Aceves Ascencio, Luis Palmero Iglesias, Ponce Sánchez, Violeta Ortega Bertha, Martin Rafael Del Campo Alatorre
Modelling 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 rt. buildings.
12.15 Alessandro Rogora
First experiments on papercrete conglomerates
of 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 Mania
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 Gambarelli
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’Agnello, Giorgia Fattori, Andrea Piccinato, Giorgio Croatto, Umberto Turrini
The reuse of reinforced concrete industrial buildings with nodul-building systems. The case of the ex-Tobacco Factory in Verona (1930-45).
16.15 Giudiana Di Mari, Emilia Garda
Concrete, design, industry. The Olivetti of Marco Zanuso.
16.30 Roberto Parisi
Giovannini 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
Concrete at the limit: the use of conglomerates in the works of the permanent fortification of the eastern frontier.
17.15 Francesca Castanò, Anna Gallo
Fibro and Polis building factors. From Olivetti to manifactured ceramic Pozzi
18.00 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 Niccolla
ARTICLES PRESENTATION
9.30 Special Session IUAV – ClusterLAB HeModern
Paolo Facchio, Paola Scaramuzza, Bénédicte Gandini, Greta Bruschi, Sara Di Resta, Verdiana Peron, Erica Lenticchia, Rosario Ceraveolo, Cristina Mosca, Giacinta Jean, Alberto Bologna, Marta Caroselli, Francesca Pasqual
10.00 Pepa Cassinelli
Eduardo Torniau Museum. The man and his legacy.
10.15 Mara Blonda, Patrizia Dellavedova
20Th Century reinforced concrete bridges. Bridges on the Olna river in Legnano between history and maintenance.
10.30 Patrizia Maximo Romero, Rogelio Ramos Aguilar, José Gilberto Ottonelli Munzio Flores
Techniques for historical buildings rehabilitation: use concrete and others materials
10.45 Rosa Agilata, Antonio Bertone, Raffaella Lionne, Luigi Mollo
Bricks-based cultural heritage maintenance tools: an innovative perspective for knowledge and conservation of 20th century reinforced concrete buildings.
11.00 Maurizia Niccolla
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 Vitro
Vernacular architecture in insular Italy: heritage to preserve and value
11.45 Emanuele La Mania
Considerations and comparisons between ancient and modern concrete
12.00 Devis Zanardo, Francesco Cappelli
Certified maintenance as evolution of restoration through the process of control and sustainable management of the “rationalist” building. Pedevian Pavillon, 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. Anna’s church in Dernau, Germany
12.30 Iaria Giannetti, Stefania Mornati
12.45 Luis Manuel Palermo Iglesias, Grazialetti Bernardo
The brick-slab 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
16.00 BIEME
Isabella Magrini
Securing industrial buildings with anti- seismic devices
SPECIAL SESSION 5
16.20 – 18.00 hours
PREFACE OF BOOKS
Chairwoman: Antoanella 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 Chincilatte
"Like a wisp of smoke…": Notes in the margins of a memory of Aldo de Marco
Giorgio Cacciaguerra
Two friends touring Cansà in Friuli. A brief history of a friendship and the origins of a university research topic. Enrico Sicignano
17.15 Neri in Africa. Architectures and projects 1941-1980 by Micaela Antonucci and Gabriele Neri
Preluce: Marzia Mandrola
17.30 Stories and visions of a necessary town by Gianluca Prestigiacomo
Preluce: Andrea Curcione
18.00 – 19.00 hours
Guided tour of the MI permanent exhibition
19.00 hours
CONFERENCE CLOSURE
PAOLO FACCIO
AGOSTINO CATALANO
Awards of the “Best contribution of a young researcher” price by the Scientific Committee
18.45 – 20.00 hours
SESSION 4
14.45 – 16.20 hours
SPECIAL SESSION - TECHNICAL SEMINARS
Chairwoman: Rosa Maria Vitro
15.00 DOMORDY
Roberto Castelluccio, Carlo Ostorero, Michele Rossette
Concrete APPs - Charge Neutralization Technology – Research Project
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 CTV (Certificate of Technical Assessment)