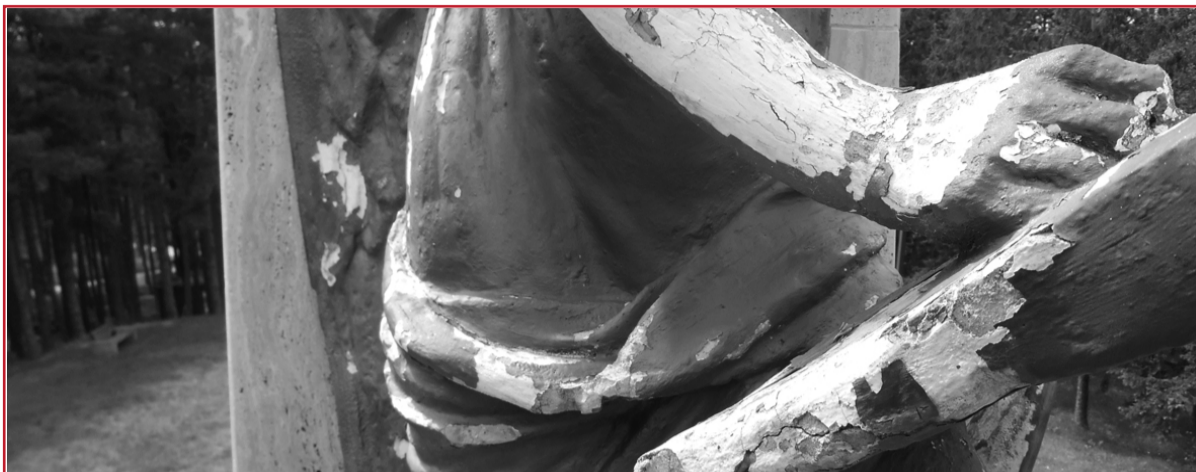


Innovative Materials and Techniques for the Conservation
of the 20th Century Concrete-based Cultural Heritage



NEW MATERIALS FOR THE CONSERVATION OF CULTURAL HERITAGE IN CONCRETE

WEBINAR 23/24 April 2021

PROGRAM

23rd April, 2021

10:30/10:45 – “Welcome and greeting” with Rosaria Mencarelli, the Director of the Archaeological Fine Arts and Landscape Superintendency for the provinces of Pescara and Chieti – MiC- Italy

10:45/11:00 – “Presentation of the INNOVA CONCRETE project” by Maria Jesus Mosquera from the University of Cadiz (UCA) – Spain

11:00/11:15 – “Cultural Heritage: what we achieved and the funding opportunities in the new framework programme for research and innovation, Horizon Europe (2021-2027)” by Isella Vicini from BeWARRANT – Belgium

11:15/11:30 – “InnovaConcrete exploitation out of the boundaries of the research project” by Antonio Tebar from Sika – Spain

11:30/12:00 – “Case studies in the InnovaConcrete”

- “Eduardo Torroja Institute” with Juan Queipo de Llano and Elena Frías from Instituto Eduardo Torroja de Ciencias de la Construcción (CSIC), Madrid, Spain.

- “Warszawa Srodmiescie WKD Pavilion in situ validation activities. Products application and performance monitoring” by David Lopez from INES Ingenieros Consultores, Spain

- “Centennial Hall in Wroclaw: in – situ application and performance evaluation of IC products” by Krzysztof Raszczuk and Mateusz Moczko from Wroclaw University of Science and Technology Department of Building Structures, Wroclaw – Poland

- “Elogio del Horizonte in situ validation activities. Products application and performance monitoring” by Lorenzo Fernández-Ordóñez from Estudio Guadiana Madrid – Spain

- “Kaunas IX Fort Monument in situ validation activities. Products application and performance monitoring” by David Lopez from INES Ingenieros Consultores, Spain

12:00/12:15 – “The ‘100 from the 20th’ InnovaConcrete selection” by Susana Landrove from Docomomo Iberico – Spain

12:15/12:30 – “Modern concrete and its evolution in the 20th century” with Maria Teresa Blanco Valera and Maria Inés García Lodeiro from the Instituto Eduardo Torroja de Ciencias de la Construcción (CSIC) – Madrid Spain.

12:30/12:45 – “Conservation of 20th-century architecture. History and memory in 20th-century architecture” by Claudio Varagnoli from University G. D’Annunzio Chieti- Pescara – Department of Architecture – Italy

12:45/14:30 LUNCH

14:30/14:50 – “Condition assessment and investigation of reinforced concrete” by Paul Gaudette, Paul Gaudette from Wiss, Janney, Elstner Associates, ICOMOS-ISC20C, United States

14:50/15:00 – “Types and causes of deterioration in concrete heritage” by Stefania Landi from University of Pisa, ICOMOS-ISC20C, Italy

15:00/15:15 – “The use of modelling approaches to optimize innovative solutions for preserving historic concretes” by Janez Perko from SKC CEN, Belgian Nuclear Research Centre – Belgium

15:15/15:30 – “Advanced methods for the cleaning of concrete surfaces” by Rodorigo Giorgi and Michele Baglioni from Consorzio Interuniversitario dei Sistemi a Grande Interfase (CSGI) – Florence – Italy

15:30/15:45 – “Cementitious coatings and micro-mortars containing Halloysite nanotubes.” by Monica Tonelli and Francesca Ridi from Consorzio Interuniversitario dei Sistemi a Grande Interfase (CSGI) in Florence – Italy

15:45/16:00 – “Development of micro-mortars to repair concrete” by Maria Teresa Blanco Valera, Maria Inés and García Lodeiro from the Eduardo Torroja Institute of Construction Science (CSIC) – Madrid, Spain;

16:00/16:15 – “Multifunctional treatments for concrete combining consolidation by generation of C-S-H gel and superhydrophobic performance” by Rafael Zarzuela Sanchez from University of Cadiz (UCA) – Spain;

16:15/16:30 – “A consolidant hydrophobic product (TUC) with affinity to concrete structure” by Noni Maravelaki from Technical University of Crete

16:30/16:45 – “Bioinspired amorphous nanoparticles of polyphosphate and Ca-carbonate improve the self-healing property of cements” with W.E.G. Müller from UMC Mainz, Germany.

16:45/17:00 – “Smart nanostructured materials for corrosion inhibition” by Gabriella Di Carlo from CNR-ISMN, Rome, Italy;

17:00/17:30 – Final question and answer session

24th April, 2021

10:00/10:15 – “Memory and restoration: the war memorials in the Abruzzo region” by Aldo Giorgio Pezzi from Archaeological Fine Arts and Landscape Superintendency for the provinces of Pescara and Chieti – MiC, Italy

10:15/10:30 – “Torricella Peligna’s war memorials - two examples of concrete monuments from the 20th century: Material characterization methods” by Sabrina Gualtieri from the CNR-ISTEC in Faenza (RA), Italy

10:30/10:45 – “Crack Monitoring activities” by Paolo Corvaglia from RINA, Italy

10:45/11:00 – “Instruments and methodology for the on-site monitoring performances of applied products on reinforced concrete monuments” by Piero Tiano and Cristiano Riminesi from CNR-ISPAC in Florence, Italy;

11:00/ – “Case studies in Torricella Peligna and on-site activities in the Tower war Memorial” by M. Isabella Pierigè from Archaeological Fine Arts and Landscape Superintendency for the provinces of Pescara and Chieti; video and live from the site

/12:00 – “The restoration site for the Angel Statue” by M. Isabella Pierigè and Stefano Landi from Archaeological Fine Arts and Landscape Superintendency for the provinces of Pescara and Chieti, Restorer Freelance ; Video and live from the site

12:00/12:30 – “The plasma torch as a hydrophobic treatment for 20th-century, concrete-based monuments, presented” by Aniello Vitulano and Gianfranco Sabbatella from IONVAC, Rome, Italy; live from the site if possible

12:30/12:45 annex Video – “Social aspects and raising awareness” by Stefania Melandri from BeWARRANT – Belgium

12:45/13:30 – Final question and answer session.



MINISTERO
DELLA
CULTURA

SOPRINTENDENZA
ARCHEOLOGIA
BELLE ARTI E PAESAGGIO
PER LE PROVINCE DI
CHIETI E PESCARA

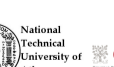
In collaboration with



University G.D’Annunzio
of Chieti – Pescara
Department
of Architecture



This project has received funding from the European Union’s Horizon 2020 Research and Innovation Programme under Grant Agreement n° 760858



www.innovaconcrete.eu



REGISTRATION and INFORMATION: www.innovaconcrete.eu