XIII Forum Internazionale di Studi

Le Vie dei Mercanti

Conference program

HERITAGE and TECHNOLOGY
Mind Knowledge Experience
HERITAGE and TECHNOLOGY
Mind Knowledge Experience
Le Vie dei Mercanti _ XIII Forum Internazionale di Studi
Conference topics:

Heritage
Tangible and intangible dimensions
History
Culture
Collective Identity
Memory
Documentation
Management
Communication for Cultural Heritage
Architecture
Surveying
Representation
Modelling
Data Integration
Technology Platforms
Analysis
Diagnosis and Monitoring Techniques
Conservation
Restoration
Protection
Safety
Resilience
Transformation Projects
Technologies
Materials
Cultural landscapes
Territorial Surveying
Landscape Projects
Environmental Monitoring
Government of the Territory
Sustainable Development
HERITAGE and TECHNOLOGY
Mind Knowledge Experience
Le Vie dei Mercanti
XIII Forum Internazionale di Studi

Aversa | Capri
11 - 12 - 13 June 2015

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Professor and Director,
Department of Architecture and Industrial Design
“Luigi Vanvitelli”, Second University of Naples
President of BENECON, institutional partner of Forum Unesco
University and Heritage

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Architectural Heritage, Faculty of Engineering,
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Department of Architecture and Civil Engineering

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Professor, Ecole Nationale Supérieure d'Architecture  
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Professor and Director, Department of Architecture  
and Industrial Design “Luigi Vanvitelli”, Second University of Naples  
– President of BENECON, institutional partner of Forum Unesco University and Heritage

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Director Enhancement of Cultural Heritage, Planning  
and Budget Department, Italian Ministry of Heritage and Culture

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Public Policy, Rutgers University, USA

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Dean of the Faculty of Architecture, Polytechnic University of Tirana

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Professor, UNECO Chair, EULA Environmental Centre,  
University of Conception, Chile.
Raymond O’ Connor
President and CEO TOPCON Positioning Systems

Jorge Peña Díaz
Professor, Head of the Urban Research group (INVACURB) at the Facultad de Arquitectura, Instituto Superior Politécnico José Antonio Echeverría, Cuba

Giovanni Puglisi
Professore, Rettore IULM, e Presidente, Commissione Nazionale Italiana per l’UNESCO

Michelangelo Russo
Professor, Università Federico II di Napoli, Italy

Paola Sartorio
Ph.D., Executive Director, The U.S.- Italy Fulbright Commission

Lucio Alberto Savoia
Ambasciatore, Segretario generale, Commissione Nazionale Italiana per l’UNESCO

Elena Shlienkova
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Eusebio Leal Spengler
Professor, honorary president of the Cuban ICOMOS Committee, Cuba.

Isabel Tort
Professor, Director of the Forum UNESCO University and Heritage (FUUH) Programme, Universitat Politècnica de València UPV, Spain.

Andrey V. Vasilyev
Professor, Head of Departments of Chemical Technology and Industrial Ecology at the Samara State Technical University, Head of Department of Engineering Ecology and of Ecological Monitoring of Samara Scientific Center of Russian Academy of Science.

Aygul Agir
Professor, Department of Architecture, Istanbul Technical University

Kutgun Eyupgiller
Professor, Department of Architecture, Istanbul Technical University
Scientific and Organizing Local Committee

**Manuela Piscitelli**  
Coordinator of the scientific program

**Luciana Mainolfi**  
Administrative responsible for the management and the financial control

**Alessandro Ciambrone**  
Relationships with the International Scientific Committee

**Luigi Corniello, Giuseppe Giannini** (logo)  
Graphics and Layout

**Giuseppe Klain**  
Web master

**Pasquale Argenziano, Alessandra Avella, Nicola Pisacane**
conference program
11 June 2015  Department of Architecture and Industrial Design, Aversa

9.00  Registration

9.30  Plenary Session  Aula S1

Carmine GAMBARDELLA, General Chair of the conference
Heritage and Technology. Mind, knowledge, Experience

Welcome

Giuseppe PAOLISSO
Rector, Second University of Naples

Michael SCIASCIA
President of Court of Auditors of the Molise Region

Elisabetta GARZO
President of Tribunale Napoli Nord

Lucio Alberto SAVOIA
Ambassador, General Secretary, Italian National Commission for UNESCO

Giuseppe SAGLIOCCO
Major of Aversa

Lecture

Louise A. MOZINGO
Chair, Department of Landscape Architecture & Environmental Planning,
University of California, Berkeley, USA

Conserving and Constructing the Ecological Heritage of Metropolitan Regions: Urban Landscapes for the Future
11.00
Parallel session
Aula S1
Ecotourism for urban sustainable use of Cultural Heritage in Campania
Chair
Carmine GAMBARDELLA

Carmine GAMBARDELLA, Nicola PISACANE, Alessandra AVELLA, Pasquale ARGENZIANO
Seconda Università di Napoli, Italy
ID 355 _ Multisensor and multiscale surveying into Pompeii’s archeological site. Three case studies.

Francesca MUZZILLO, Fosca TORTORELLI
Seconda Università di Napoli, Italy
ID 218 _ Ancient villages: the Eco-museums to Eno-museums

Carmine GAMBARDELLA
Seconda Università di Napoli, Italy
Carmine MAFFEI, Massimo MENENTI
Delft University of Technology, Delft, Netherlands
ID 244 _ Remote sensing evaluation of fire hazard: towards operational tools for improving the security of citizens and protecting the environment

Giuseppe GUIDA
Seconda Università di Napoli, Italy
ID 356 _ Metropolitan Strategies. Urban planning scenarios for a territorial system

Corrado DI DOMENICO
Seconda Università di Napoli, Italy
ID 032 _ Designing by strata: notes from the underground. Hypogeous spaces and the archeological museum of Pompei

Paolo GIORDANO
Seconda Università di Napoli, Italy
ID 333 _ The design for the modification of the Marina and the Sentiero Terramare in Praiano

Saverio CARILLO
Seconda Università di Napoli, Italy
ID 323 _ From Pompeii in Nola: the restoration of Mediterranean habitat. The De Nola of Ambrogio Leone.

Andrea SANTACROCE
Seconda Università di Napoli, Italy
ID 325 _ From Borbonic Royal Gunpowder to mouth of the river Sarno: a redevelopment project architectural and landscape
11 June 2015  Department of Architecture and Industrial Design, Aversa

11.00  Parallel session  Aula S2

Governance, Management, Environmental Monitoring

**Chair**  Fabiana FORTE  University of Enna KORE, Enna, Italy

**Marco CALABRO’**  Seconda Università di Napoli, Italy
ID 210  Environmental protection versus simplification and development policy: searching for a difficult (but achievable) balance

**Giacinto TAIBI, Rita VALENTI**  University of Catania, Syracuse, Italy  
**Michele LIISTRO**  University of Roma Tre, Rome, Italy

**Sebastiano GIULIANO**  University of Enna KORE, Enna, Italy
ID 061  A strategic plan of investigation into the urban areas carried out together with public bodies

**Nunzia BORRELLI, Davide DIAMANTINI, Giulia MURA, Monica BERNARDI**  Università degli studi di Milano Bicocca, Italy
ID 332  Among smart governance and smart communities. A survey in the city of Milan

**Caterina GATTUSO**  University of Calabria Rende (CS), Italy
ID 178  Knowledge and innovation in the field of Cultural Heritage

**Maria Cristina MIGLIONICO, Giuseppe D’ANGELO**  Seconda Università di Napoli, Italy
ID 290  An application of optimization processes in the evaluation of a security basket

**Andrey V. VASILYEV**  Samara Scientific Center of Russian Academy of Science, Russia
ID 010  Environmental monitoring of electromagnetic fields of urban territory of Samara Region of Russia

**Andrey V. VASILYEV, Dmitry E. BYKOVV, Andrey A. PIMENOV**  Samara State Technical University, Russia
ID 011  Methods and results of environmental monitoring of soil pollution by oily waste

**Fabiana FORTE, Roberta FORMISANO**  Seconda Università di Napoli, Italy
ID 274  “Additional services” in the management of Cultural Heritage: the paradox of archeological site of Pompei

13.00  Lunch
11 June 2015
Department of Architecture and Industrial Design, Aversa

11.00 Parallel session
Aula S3
Archaeology, Heritage Protection

Roberto ORAZI, Francesca COLOSI
CNR-ITABC, Roma, Italy
ID 306 _ Archaeological Environmental Park of Sennacherib’s irrigation system (Iraqi Kurdistan)

Barbara MESSINA
University of Salerno, Italy
Maria Ines PASCARIELLO
Federico II University, Naples, Italy
Chair
Sergio SIBILIO
ID 168 _ The architectonic perspectives in the villa of Oplonti: a space over the real

Luisa FERRO
Politecnico di Milano, Milano, Italy
ID 053 _ Archaeology and architectural design New studies and projects for the Acropolis of Athens

Alessandra PAGLIANO, Angelo TRIGGIANESE, Roberta MONTELLA, Mariano MARMO
Università degli Studi di Napoli “Federico II”, Naples, Italy
ID 003 _ Windows of memory: anamorphic panels to communicate the archeological heritage

Francesca COLOSI, Roberto ORAZI
CNR-ITABC, Roma, Italy
ID 307 _ Project for the Archaeological Park of Chan Chan, Peru

Valentina CINIERI, Emanuele ZAMPERINI, Marco MORANDOTTI
University of Pavia, Pavia, Italy
ID 170 _ Investigations on building techniques of the defensive walls in Kınık Höyük excavation (Turkey)

Daniel BARRERA FERNÁNDEZ
University of Guanajuato, Guanajuato, Mexico
ID 188 _ Protecting unpopular heritage. The difficulties of listing 1950s architecture and postwar planning in Plymouth, UK

Beata MAKOWSKA
Cracow University of Technology, Krakow, Poland
ID 181 _ Protection of Cultural Heritage on the Example of Krakow Tenement Houses from the End of the 19th and the Beginning of the 20th Century

13.00 Lunch
11 June 2015

Department of Architecture and Industrial Design, Aversa

15.00
Parallel session
Aula S1

Urban Design, Landscape Design

Chair
Luigi MAFFEI

Sabina MARTUSCIELLO
Seconda Università di Napoli, Italy
ID 263 _ “Universities for EXPO 2015”:
LANDesign in Mostra d’Oltremare

Maria Dolores MORELLI
Seconda Università di Napoli, Italy
ID 262 _ “School Project EXPO 2015”:
LANDesign BREEDING-GROUND SALERNO

Silvana SEGAPELI
Ecole Nationale Supérieure La Villette, Paris, France
ID 320 _ The impermanent project. Animation and multiplicative persistence in contemporary urban space

Fabrizia IPPOLITO
Seconda Università di Napoli, Italy
ID 136 _ Adjustments. Repairing and reinventing damaged landscapes

Enrico CICALÒ (for the research group)
University of Sassari, Italy
ID 060 _ LANDY. LANdscapE DYnamics.
Survey, representation, monitoring and communication of the dynamics of the landscape and risks related to them

Lorenzo CAPOBIANCO, Giuliana CHIERCHIELLO
Seconda Università di Napoli, Italy
ID 240 _ Innovative working spaces: the case study of Novartis and the “InNova” project

Gioconda CAFIERO
Università degli Studi di Napoli “Federico II”, Napoli, Italy
ID 058 _ New technologies for knowledge and the physical space of the museum

Marco BORRELLI
Seconda Università di Napoli, Italy
ID 309 _ Empatic forms for relational spaces
Massimo CLEMENTE, Eleonora GIOVENE DI GIRASOLE
National Research Council of Italy
ID 311 _ Innovative Strategies for
Urban Regeneration in Coastal Areas
the Case Study of the Metropolitan Coast of Naples

Ippolita MECCA, Tiziana CARDINALE
University of Basilicata, Matera, Italy
ID 214 _ The rehabilitation of the school building
heritage in Potenza (Italy)
15.00
Parallel session
Aula S2

Structural Analysis, Materials, Technologies

Chair
Giuseppe FAELLA

Ciro PICCIOLI
Associazione Italiana Esperti Scientifici, Napoli, Italy

Caterina GATTUSO
University of Calabria, Rende (Cosenza), Italy

Valentina ROVIELLO
Università degli studi di Napoli Federico II, Napoli, Italy

ID 230 _ Golden Cartelline from the Wall Mosaic of S. Giovanni in Fonte. Remarks and Scientific Analyses on the Constituent Materials

Giuliana CHIERCHIELLO, Michela MONACO, Maria Teresa SAVINO
Seconda Università di Napoli, Italy

Antonio GESUALDO, Antonino IANNUZZO
Università Federico II, Napoli, Italy

ID 305 _ Structural modeling and conservation of single columns in archaeological areas

Ingrid TITOMANLIO, Giuseppe FAELLA
Seconda Università di Napoli, Italy

ID 183 _ Structural analysis of finite element models of masonry balconies and overhangs obtained by B.I.M.

Alessio CARDACI
University of Bergamo, Bergamo, Italy

Antonella VERSACI, Davide INDELICATO
University of Enna KORE, Enna, Italy

ID 226 _ Morpho-architectural analysis, constructive modalities and structural diagnostics for the restoration of the Church of SS Bartholomew and Stephen in Bergamo

Andrea BASILE
Tecno Lab, Napoli, Italy

Giorgio FRUNZIO, Giuseppe MATTEILLO
Seconda Università di Napoli, Italy

ID 272 _ My concrete is damaged?
Alberto FRANCHI, Pietro CRESPI, Paola RONCA, Nicola GIORDANO
Politecnico di Milano, Milan, Italy
Giulia RANSENIGO
Structural Engineer, Brescia, Italy
ID 156 In-situ tests, analytical and numerical studies for the assessment capacity of a historic building in l’Aquila

Alberto CUSTODI
University of Bologna, Bologna, Italy
Flora SCAIA
SIAT Integrated Archaeological and Territorial Systems SNC, Italy
ID 225 The Augustan Bridge at Narni: Documentation and Analysis by Laser Survey and 3D Modeling

Francesco TAMBURRINO, Valeria PERROTTA, Raffaella AVERSA, Antonio APICELLA
Seconda Università di Napoli, Italy
ID 266 Additive technology and design process: a tool not only to present, but to drive and assist the product development

Antonella VIOLANO, Veronica MONTANIERO
Seconda Università di Napoli, Italy
Ayşen CIRAVOĞLU, Semin ERKENEZ
Yıldız Technical University, Istanbul, Turkey
ID 291 BIOMATERIALS: the synthetic biology applied to architecture

Giovanni CIAMPI, Antonio ROSATO, Michelangelo SCORPIO, Sergio SIBILIO
Seconda Università di Napoli, Italy
ID 298 Daylighting measurements and evaluation of the energy saving in an historical building

Renato Sante OLIVITO, Caterina GATTUSO, Carmelo SCURO
University of Calabria, Rende (CS), Italy
ID 200 Hollow clay elements of typical Calabrian tradition: typologies and construction techniques
11 June 2015

Department of Architecture and Industrial Design, Aversa

15.00

Parallel session
Aula S3

**Chair**
Alessandra AVELLA

Paolo BELARDI  
University of Perugia, Perugia, Italy

Luca MARTINI  
Academy of Fine Arts “Pietro Vannucci” Perugia, Italy

Michele MARTORELLI  
New hypotheses on the Michelangelo plaster works of the Fine Arts Academy of Perugia

Maria Pompeiana IAROSSI, Sara CONTE, Marco INTROINI  
Politecnico di Milano, Milan, Italy

ID 217  
Different futures in the labyrinth of the carto-iconographical heritage of Milan

Claudia CENNAMO, Ornella ZERLENGA  
Seconda Università di Napoli, Italy

Salvatore PETRILLO, Domenico PEDATA, Ciro SCOGNAMIGLIO  
ID 350  
Nisida: integrated and transdisciplinary survey for interpretation of sources

Valeria MENCHETELLI  
University of Perugia, Perugia, Italy

Laura NARDI, Giovanna RAMACCINI  
ID 074  
The immaterial city. Unrealized projects for the twentieth-century Spoleto

Marinella ARENA  
University of Reggio Calabria, Italy

ID 082  
Tighremt Taliwin: a case study in the Draa Valley

Maria MARTONE  
University “Sapienza” of Rome, Italy

ID 326  
The rebirth of the water in Rome. Aqueducts and fountains

Mariangela LIUZZO, Sebastiano GIULIANO, Salvatore SAVARINO  
University of Enna KORE, Enna, Italy

ID 093  
Survey on the landscape and morphological singularities of the Cliff of Aci Castello
Renato OLIVITO, Alessandro TEDESCO
University of Calabria, Rende (CS), Italy
ID 133 _ Restoration works and valorization strategies of the architectural complex of S. Francesco in Amantea (CS)

Sema YALÇIN
Okan University, Istanbul, Turkey
ID 312 _ A Comparative Study of Ottoman and European Bridal Gowns During 18th and 19th Centuries

Gerardo Maria CENNAMO
International Telematic University UNINETTUNO, Roma, Italy
ID 241 _ Sanfelice Palace, the house of a genius: some insights about the geometrical relations

Alessandro CIAMBRONE
Seconda Università di Napoli, Italy
ID 334 _ Istanbul World Heritage property. Representing and cataloguing the material and intangible assets for local sustainable development.
14.30 Welcome coffee

15.00 Parallel session
Sala Pagano

Analysis, Diagnosis, Restoration

Chair Francesca MUZZILLO

**Pietro CRESPI, Alberto FRANCHI, Antonio MIGLIACCI, Paola RONCA, Antonio MIGLIACCI, Alessandro ZICHI**
Politecnico di Milano, Milan, Italy
ID 155 _ The Industrial Building Heritage: first steps for the Damages Evaluation of Innocenti-Maserati Structural Plants

**Alberto GUARNIERI, Andrea MASIERO, Livia PIERMATTEI, Francesco PIROTTI, Antonio VETTORE**
University of Padua, Italy
ID 152 _ Use of TLS technology for the fem-based structural analysis of the anatomy theatre

**Elif MIHCIOGLU BILGI, İpek Zeynep KAPTANOGLU**
Istanbul Kultur University, Istanbul, Turkey
ID 302 _ Analysis of historic urban fabric of sariyer in Istanbul. In terms of sustainability and proposals for its conservation

**Sandra TONNA, Claudio CHESI**
Politecnico di Milano, Milan, Italy
ID 115 _ Implications of earthquake return periods on the building quality

**Manuele CASSANO, Marco Lorenzo TRANI, Benedetta BOSSI, Stefano DELLA TORRE**
Politecnico di Milano, Italy
ID 208 _ Construction site information modelling and operational planning

**Bernardino CHIAIA, Sanaz DAVARDOUST, Anna OSELLO**
Politecnico di Torino, Torino, Italy
ID 096 _ Structural calculations by horizontal and vertical interoperability for the redevelopment of existing buildings

**Paolo GIANDEBIAGGI**
Università degli Studi di Parma, Italy
ID 339 _ Knowledge, survey, technology for carbon neutral restoration: from an old hospital to a luxury hotel

**Marcello BALZANI, Federica MAIETTI**
University of Ferrara, Italy
ID 130 _ Integrated methodologies for documentation and restoration of Modern architecture: survey and representation of the “Casa das Canoas” by Niemeyer
Nilüfer BATURAYOĞLU YÖNEY, Burak ASİLİŞKENDER
Abdullah Gül University, Kayseri, Turkey
ID 043 _ The Technology of an Early Reinforced Concrete Structure in Turkey: The Great Storehouse of the Kayseri Sümerbank Textile Factory (1932-1935)

Pietro CRESPI, Paola RONCA, Alessandro ZICHI
Politecnico di Milano, Milan, Italy
Fausto NEGRI
Municipality of Trezzo sull’Adda, Italy
Giovanni FRANCHI
Studio AMIS, Milan, Italy
ID 157 _ The Trezzo sull’Adda’s Castle: restoration consolidation and reuse of the Cultural Heritage for a sustainable future use.

Mario CENTOFANTI, Stefano BRUSAPORCI, Francesca CERASOLI
University of L’Aquila, L’Aquila, Italy
ID 171 _ Surveying and Restoration of St. Basilio Monastery in L’Aquila

Ege Uluca TUMER
Istanbul Kultur University, Istanbul, Turkey
ID 222 _ Conservation Practices in Turkey in Last Decade, Two Monuments from Two Eras: the 4th-Century Laodikeia Church and the 16th-Century Rabi Madrasa

Ignazio CRIVELLI VISCONTI
Tepco Compositi Consulting & Technology Group, Naples, Italy
Marina D’APRILE
Seconda Università di Napoli, Italy
Domenico BRIGANTE
Olympus-FRP Brigante Engineering srl, Naples, Italy
Claudio CIGLIANO
Centro Materiali Compositi, Naples, Italy
ID 246 _ Marble sculptures FRP-based reinstating and consolidating practices

Giulia MATERAZZI
Sapienza University of Rome, Rome, Italy
Nicola CAVALAGLI, Vittorio GUSELLA
University of Perugia, Perugia, Italy
ID 094 _ The use of external claddings in the functional recovery of disused industrial buildings.
14.30 Welcome coffee

15.00 Parallel session Sala Relais

Cultural landscape, Tangible and intangible heritage

Alexandra Al QUINTAS, António José MORAI S
Universidade de Lisboa, Lisboa, Portugal
ID 271 _ Landscape: The Shock of the Past into the Future

Fulvio RINAUDO, Rosa TAMBO RINO
Politecnico di Torino, Turin, Italy
ID 189 _ Sharing knowledge, grasping Cultural Heritage: a digital multidisciplinary approach to the historical process of architecture and urban changes

Esther GIANI
Iuav University of Venice, Venice, Italy
ID 159 _ Landscapes of repentance and of compensation

Christina RAIDENTINO APERGI
National Technical University of Athens, Greece
ID 145 _ World heritage and technology, the different understanding

Anna MAROTTA
Politecnico di Torino, Torino, Italy
ID 203 - Technologies to know and share the Cultural Heritage between East and West: geometric patterns in the decorations

Emrah ASLAN
Oxford University, Oxford, United Kingdom
Sevinc ERTUR
Isik University, Istanbul, Turkey
Zafer ERTURK
Istanbul Kultur University, Istanbul, Turkey
ID 014 _ Referential interpretation of vernacular heritage in recent architectural design

Maria João Mendonça Pereira NETO, Pedro Miguel Gomes JANUÁ RIO, Mário Say Ming KONG
University of Lisbon, Lisbon, Portugal
Raffaella MADDA LUINO
Culture and societies University of Évora, Évora, Portugal
ID 101 _ Aljezur, “between vision” of Place and Memory: The use of new technologies for the protection of a place and its heritage
Giacinto TAIBI, Rita VALENTI
University of Catania, Syracuse, Italy
Mariangela LIUZZO
University of Enna "Kore", Enna, Italy
ID 046  _ Exploring and interpreting the landscape using technological innovative systems

Duygu KOCA
Hacettepe University, Ankara, Turkey
ID 259  _ Survive the Saracoglu District - Preservation of Architectural Heritage of Ankara

Piero PEDROCCO
University of Udine, Udine, Italy
ID 256  _ Ordinary maintenance in the Venice “minor”. Problems in nontrivial resilience

Julide KAZAS PEKCAN YÜKSEL
Zirve University Gaziantep, Turkey
ID 112  _ The roles of industrial heritage areas on urban renewal: the case of “Ödemiş”

Alessandra MANIACI, Gianfranco SALEMI SCARCELLA
Università degli Studi Mediterranea, Reggio Calabria, Italy
ID 123  _ Development of the urban-rural network in the metropolitan area of the Strait of Messina through the recovery of the historical and cultural obsolete heritage

Roberto CASTELLUCCIO, Veronica VITIELLO
University of Naples Federico II, Naples, Italy
ID 321  _ Heritage - Religious buildings in the routes of restoration: the case of the church of St. Gennaro at the elm

Antonio MOLLICONE
University of Malta, Msida, Malta
ID 030  _ Projectivity and the homological relationship as a verification of the computer mathematical representation: the representation of plane and skew curves in graphical models
### 9.30 Parallel session Sala Pagano

**Landscape Projects, Planning, Architecture design**

**Chair**
Nicola PISACANE

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**Paolo PORTOGHESI (Invited speaker)**
Sapienza Università di Roma, Italy

*Genius loci*

**Enzo SIVIERO (Invited speaker)**
 IUAV Venezia, Italy

*The new “Congressi Bridge” in Rome an example of harmony toward the future*

**J. Theodore PEÑA, Caroline CHEUNG**
University of California, Berkeley, USA
ID 318 _ The Pompeii Artifact Life History Project: Conceptual Basis, Methods and Results of First Three Seasons

**Tiziano CATTANEO, Emanuele GIORGI, Giorgio Davide MANZONI**
University of Pavia, Pavia, Italy

**Yongjie SHA**
Tongji University, Shanghai, P.R. China
ID 205 _ Identity+Innovation: how to give hope and opportunities to forgot suburbs

**Giuseppe CINÀ**
Politecnico di Torino, Torino, Italy
ID 153 _ A planning & design approach for the rehabilitation of historic centres in Iraq

**José Javier GALLARDO ORTEGA**
University of Zaragoza, Zaragoza, España
ID 031 _ New urban models

**MOURA FILHA, Ivan CAVALCANTI FILHO**
Universidade Federal da Paraíba, João Pessoa, Paraíba, Brazil
ID 125 _ Revisiting residential architecture in the city of João Pessoa, Paraiba, Brazil

**Steven DOEHLER, Roberta LEE, Jeanine GOODEN, Jean ANTHONY, Kimberly HASSELFELD**
University of Cincinnati, Cincinnati, Ohio, USA
ID 091 _ Design + Nursing: From laboratories to Users, The Transformation of Concussion Prevention
Efisio PITZALIS
Seconda Università di Napoli, Italy
ID 304 _ Art and Technology.
The Guggenheim Museum Helsinki.

Doaa HASSAN
Ain Shams University, Cairo, Egypt
ID 018 _ Student-Centred Learning as an Approach to Design Primary Schools’ Outdoors

Francesco COSTANZO, Gaspare OLIVA, Giuseppe DI CATERINO
Seconda Università di Napoli, Italy
ID 324 _ The non-finiteness heritage. A project strategy
9.30  Parallel session  Sala Relais  
Survey, Representation, 3D Modeling  
Chair  Manuela PISCITELLI

Marta COLÓN ALONSO, Fernando FRAGA LÓPEZ  
University of La Coruña, Galicia, Spain  
ID 050  _  Virtual reconstruction of The Franciscan convent of Betanzos and its transformations, in the XIX Century. (Galicia, Spain)

Marco CANCIANI, Corrado FALCOLINI, Mauro SACCONE  
University of Roma Tre, Rome, Italy  
Lorenza D’ALESSANDRO, Giorgio CAPRIOTTI  
Private conservator, Rome, Italy  
ID 269  _  The recomposition of fragmented objects: the case study of St. Andrea statue at Stiffe, L’Aquila

Ingrid BELČÁKOVÁ  
Slovak University of technology, Bratislava, Slovakia  
ID 020  _  Revitalisation of historical landscape areas in UNESCO city of Banská Štiavnica

Lia Maria PAPA, Pierpaolo D’AGOSTINO  
Università degli Studi di Napoli “Federico II”, Naples, Italy  
Giuseppe ANTUONO  
“Sapienza” University of Rome, Italy  
ID 160  _  From the knowledge process to the representation of the built environment. The case of the “Istituto del Rifugio” in Naples

Laura CARNEVALI, Fabio LANFRANCHI, Mariella LA MANTIA  
“Sapienza” University of Rome, Italy  
ID 052  _  The representation of the memory: the analogic-digital survey of two funeral monuments in the Verano cemetery of Rome

Angela LOMBARDI  
University of Texas at San Antonio, San Antonio, Texas, USA  
Jambaly MOHAMMED, Abdulkareem SAMAN  
University of Duhok, Duhok, Iraq  
ID 268  _  Applying Geographical Information Systems for documenting and managing Iraqi archaeological heritage: the case study of the Akre Castle in Kurdistan
Roberto PIERDICCA, Eva Savina MALINVERNI, Anna Nora TASSETTI, Adriano MANCINI, Carlo Alberto BOZZI, Paolo CLINI, Romina NESPECA
Università Politecnica delle Marche, Ancona, Italy
ID 086 _ Development of a GIS environment for archaeological multipurpose applications: the Fano historic centre

Kiwamu MAKI
Jissen Women’s University, Hino, Japan
ID 102 _ Building Color Survey of Four Districts for Preserving a Group of Traditional Buildings in Japan

Pedro Miguel Gomes JANÚÁRIO, Maria João Mendonça Pereira NETO, Mário Say Ming KONG
University of Lisbon, Lisbon, Portugal
ID 099 _ Unveiling a heritage through digital enlightenment: the Lisbon Royal Opera House of Tagus

Maria Linda FALCIDIENO, Massimo MALAGUGINI, Maria Elisabetta RUGGIERO
University of Genoa, Genoa, Italy
ID 105 _ Galeazzo Alessi: narration, representation and contemporary theatricality fora XVI c. architectural heritage

Pier Matteo BARONE
The American University of Rome, Rome, Italy
Carlotta FERRARA
University of La Tuscia, Viterbo, Italy
ID 167 _ Geophysics and Cultural Heritage

Hilde Grazia Teresita ROMANAZZI
Polytechnic University of Bari, Italy
ID 089 _ HISTORY BUILDS, SURVEYING RE-BUILDS: conservation work of a medieval building through the representation of its (most likely) construction history.

Laura BARATIN, Sara BERTOZZI, Elvio MORETTI
Urbino University, Urbino, Italy
ID 288 _ Triumph Arch in the archaeological site in Tyre (Lebanon): a new approach to GIS analysis of vertical elements in 3D environment
15.00  
Parallel session  
Sala Pagano  
Communication for Cultural Heritage  
Chair  
Alessandra CIRAFICI

Daniela CALABI, Sabrina SCURI, Elisa CHIODO  
Politecnico di Milano, Milan, Italy  
ID 103 _ Experience, Immersion and Perception: Communication Design for Urban and Natural Environments

Alberto SDEGNO, Paolo CASARI, Piero MICEU, Marco JEZ, Lisa MINIUSSI  
University of Trieste, Trieste, Italy  
ID 249 _ The Roman Theatre in Trieste. Digital Analysis and 3D Visualization

Carlo BATTINI  
University of Genoa, Italy  
ID 135 _ Augmented reality for the understanding of cultural heritage. The case study of the monument of Giuseppe Sirtori in Milan

Idit GOLDFISHER  
Wandering Italy, Fiumicino (RM), Italy  
Talila YEHIEL, Shani ZIV  
Wandering Israel, Tel Aviv, Israel  
ID 051 _ Wandering Experience in Napoli

Alessandra CIRAFICI, Manuela PISCITELLI  
Seconda Università di Napoli, Italy  
ID 343 _ Digital Invasion at the Royal Palace of Caserta. Telling a story/Telling your story

Roberta SPALLONE, Francesca PALUAN  
Politecnico di Torino, Torino, Italy  
ID 045 _ Contemporary design drawings as cultural heritage: interpretation and communication. Towards a digital archive of Rosani’s industrial projects

Alessandro BIANCHI  
Politecnico di Milano, Milan, Italy  
ID 004 _ Heritage enhancement and communication: “Palazzo Te allo Specchio” follow-up

Stefano CHIARENZA  
Fine Arts Academy, Naples, Italy  
ID 199 _ Representing the time: the role of sequences representation in the design of visual information
Andrea GIORDANO  
University of Padua, Padua, Italy  
Paolo BORIN, Maria Rosaria CUNDARI  
University Iuav of Venice, Venice, Italy  
ID 162  _ Which survey for which digital model: critical analysis and interconnections.

Stefano ZAGGIA, Angelo BERTOLAZZI, Federico PANAROTTO  
University of Padua, Padua, Italy  
ID 179  _ Cultural Heritage 2.0. Toward innovative tools for the communication of cultural and historical asset.

Angelo BERTOLAZZI, Raffaele SPERA, Luigi STENDARDO  
University of Padua, Padua, Italy  
ID 180  _ Self Explaining City

21.00  
Gala dinner
15.00 Parallel session Sala Relais

Documentation, Protection, Conservation

Chair Jolanda CAPRIGLIONE

Giuseppe CHIDICHIMO, Amerigo BENEDUCI, Caterina GATTUSO, Alessandro SENATORE, Francesco DALENA
University of Calabria Rende (CS), Italy

Valentina ROVIELLO
Università degli Studi di Napoli Federico II, Napoli, Italy
ID 247 New fiber composite materials for Cultural Heritage conservation

Christopher HOW
Australia ICOMOS, Australia
ID 172 A system for dating changes in building fabric via nail spectra

Antonella DIANA
Soprintendenza Speciale per il Patrimonio Storico, Artistico ed Etnoantropologico e per il Polo Museale della città di Napoli e della Reggia di Caserta, Italy
ID 044 Fedele Fischetti and the Gallery of Real Casino Carditello

Frida BAZZOCCHI, Vincenzo DI NASO, Andrea MASI, Charles Michael STARNINE
Università degli Studi di Firenze, Florence, Italy
ID 064 Villa Cambi – the discovery of an unpublished posthumous building of G. Michelucci and B. Sacchi

Ebubekir GÜndoğDU, Emel BİRER
Istanbul Kultur University, Turkey
ID 202 Analysis of ecological criteria for traditional housing and its adaptation to new housing design

António José MORAIS, Alexandra AI QUINTAS
Universidade de Lisboa, Lisboa, Portugal
ID 248 Sustainable reutilization of the Pombaline System essentially based on the properties of the so-called “Gaiola Pombalina”

Giuliana QUATTRONE, Elena GIGLIARELLI
National Research Council of Italy
ID 231 Strategies for the sustainable development of historical town centre and compatible conservation and reuse of the built heritage
Wafeek Mohamed Ibrahim MOHAMED
Helwan University, Cairo, Egypt
ID 165 _ Innovation and Creativity of Architectural
as a tool to Confrontation and Observation the Changes
in the Mosque Architecture During Different Eras

Arturs LAPINS
Architectural Investigation Group Ltd, Riga, Latvia
ID 185 _ Construction of the Museum of Fine Arts
in Riga (1903-1905)

Enrico PIETROGRANDE
University of Padova, Padova, Italy
ID 227 _ The twenty-seven buildings of the Littorio rural
village in Candiana. Hypotheses of recomposition

Alessandro LO FARO, Attilio MONDELLO, Angelo SALEMI
University of Catania, Catania, Italy
ID 098 _ The single hall churches in the historic centre
of Catania (Italy): a cognitive method behind the design
of sustainable refurbishment