SCIENTIFIC COMMITTEE

Manuela Almeida
Universidade do Minho, Portugal
Alfredo Buccaro
Università di Napoli Federico II, Italia
Domenico Caputo
Università di Napoli Federico II, Italia
Raffaele Cioffi
Università di Napoli Federico II, Italia
Ana-Maria Dabija
Universitatea Ion Mincu, Romania
Romano Del Nord
Università di Firenze, Italia
Graeme Evans
London Metropolitan University, England
Ferruccio Ferrigni
Università di Napoli Federico II, Italia
Dora Francese
Università di Napoli Federico II
Flavio Fucci
Università del Molise, Italia
Marina Fumo
Università di Napoli Federico II, Italia
Virginia Gangemi
INBAR Napoli, Italia
Cesar Diaz Gomez
Universitat Politècnica de Catalunya, Spain
José Luis González
Universitat Politècnica de Catalunya, Spain
Claudio Grimellini
Università di Napoli Federico II
Andrea Maglio
Università di Napoli Federico II
Milena Petters Melo
Universidade de Santa Cruz do Sul, Brasil
Paulo Mendonça
Universidade do Minho, Portugal
Robin Nicholson
Cambridgeshire Quality Panel, England
Lia Maria Papa
Università di Napoli Federico II
Khalid R'kha
Cadi Ayyad University, Marocco
Susan Roaf
Heriot-Watt University, Scotland
Marco Sala
Università degli studi di Firenze, Italia
Fani Vavili
Aristotle University of Thessaloniki, Greece
Guido Zucconi
IUAV, Venezia

SUPPORTED BY

Cadi Ayyad University, Morocco
Centro ABITA, Italia
DICATA, Università di Napoli
Fondazione Mediterraneo
Greenaccord
INBAR Italia
Istituto Italiano dei Castelli
Ordine degli Architetti di Napoli
Ordine degli Architetti di Caserta
Ordine degli Architetti di Avellino
Ordine degli Ingegneri di Napoli
Provincia di Napoli
SITDA, Italia
Universidade do Minho, Portugal

PROMOTING COMMITTEE

Cittam - Università di Napoli Federico II
Erminia Attaianese, Gigliola Ausiello, Alfredo Buccaro, Domenico Caputo, Carmine Colella, Dora Francese, Marina Fumo, Claudio Grimellini, Fabrizio Leccisi, Mario Losasso, Andrea Maglio, Vincenzo Morra, Lia Maria Papa, Antonio Passaro, Elvira Petroncelli, Domenico Pianese, Francesco Polverino, Marialuce Stanganelli.

SECRETARIAT

Gabriella De Ienner, Cristian Filagrossi Ambrosino, Claudia Balestra, Daniela Piscopo, Gennaro Ferrara, Veronica Vitiello, Luca Buoninconti, Rossella Siani.

CONTACTS

Cittam@unina.it
Tel. +39 081-2538403
+39 081-2538411
+39 081-2538413
http://www.cittam.unina.it

Università di Napoli Federico II

CITTAM
Interdepartmental Research Center for the study of traditional techniques in the Mediterranean area

200 BICENTENARIO SCUOLA INGEGNERIA NAPOLI

INTERNATIONAL CONFERENCE

Sustainable environment in the Mediterranean region: from housing to urban and land scale construction

I - SMC

12 02 12
February the 12th/ 14th, 2012
Conference venue:
Centro Congressi Federico II
Via Partenope,36
Naples

SPONSORED BY

ACEN
ASSOCIAZIONE COSTRUTTORI EDILI NAPOLI

architettibenevento
ordine degli architetti pianificatori, paesaggisti e conservatori - provincia di Benevento

NHP
NEAHELIOPOLIS
L'Alternativa Naturale

TOPICS

A. *Ancient Technologies of the Material Culture in the Mediterranean Area*

B. *Surveys and Configuration in the Mediterranean Architecture*

C. *Sustainable Materials, Products and Building Process in the Mediterranean Area*

D. *Innovation within Sustainable Housing in the Mediterranean Culture*

E. *Sustainable Urban Design for the Mediterranean City*

F. *Mediterranean Sites: Archeological Areas and Settlements*

G. *Mediterranean Landscape: Paths, Works and Water Management*

CONFERENCE PROGRAMME

12/02/2012 Sunday

VENUE: Fondazione Mediterraneo Via De Pretis, 130 - Naples

17.00
REGISTRATION - DELIVERING OF ORAL PRESENTATION FILES

17.30
ANNOUNCEMENT OF THE CONFERENCE BY THE PARTNERS

Dora Francese - *Director of CITTAM*
Michele Capasso - *President Foundation "Maison de la Méditerrané"*
Roberto Palumbo - *President of SITDA*
Virgina Gangemi - *President INBAR section of Naples*
Gennaro Polichetti - *President Association of Architects of Naples*
Luigi Vinci - *President Association of Engineers of Naples*
Fulvio Fraternali - *President Association of Architects of Avellino*
Sabatino Falzarano - *President Association of Architects of Benevento*
Marco Sala - *Director of Abita, Interuniversity Centre, Florence*
Andrea Masullo - *Greenaccord, Association, Rome*
Antonello Sanna - *President of ArTec, Cagliari*

19.00 *WELCOME PARTY*

13/02/2012 Monday

VENUE: Centro Congressi Federico II, Via Partenope, 36 - Naples

8.30 - 9.00
REGISTRATION- DELIVERING OF ORAL PRESENTATION FILES

9.00 - 10.00
OPENING SESSION

CONFERENCE INTRODUCTION

Dora Francese - *Director of Cittam*
Massimo Marrelli - *Rector of the University of Naples Federico II*
Claudio Claudi de Saint Mihiel - *Dean, School of Architecture - University of Naples Federico II*
Piero Salatino - *Dean, School of Engineering - University of Naples Federico II*
Luigi De Magistris - *Mayor of Naples*
Marcello Taglialatela - *Councilior of the Campania Region*
Rodolfo Girardi - *President of ACEN, Building Constructors Association, Naples*

10.00 - 10.30
TRADITIONAL ANSWERS TO BIOCLIMATIC HABITAT IN MEDITERRANEAN COUNTRIES
Keynote speaker:
Paul Casalonga - *DTPE Architect and Engineer - France*

10.30 - 12.00 ***SESSION 1***
ANCIENT TECHNOLOGIES OF THE MATERIAL CULTURE IN THE MED AREA
Chairperson: **Andrea Maglio** - *University of Naples Federico II*

TRADITIONAL WOODEN BUILDINGS IN PORTUGAL. AVIEIRA HOUSE
M. Silva
HISTORIC HERITAGE: A MODEL OF SUSTAINABLE DEVELOPMENT
E. Petroncelli
THE VERNACULAR ARCHITECTURE OF THE TUNISIAN OASIS-CITIES: ELEMENT OF A SPECIFIC CULTURAL LANDSCAPE
F. Ben Ali
SardInIa'S hIstorIc dIstrIcts RenovatIon Manuals
C. Atzeni
LOCAL IDENTITY AND SUSTAINABILITY OF MIDDLE AGE ITALIAN TOWNS
G. Duca

12.00 - 12.15 *COFFEE BREAK*

12.15 - 12.45 *LIGHTWEIGHT CONSTRUCTIONS FOR THE MED CLIMATE*
Keynote speaker: **Nikolaos Tsinikas**
Tessaloniki Technical University - Greece

12.45 - 14.15 *LUNCH BREAK*

14.15 - 15.45 ***SESSION 2***
INNOVATION WITHIN SUSTAINABLE HOUSING IN THE MEDITERRANEAN CULTURE
Chairperson: **James Chambers** - *Architect - Wales*

MEDITERRANEAN ARCHITECTURE AND BUILDING MATERIALS IN MODERN GREECE
M. Karantaki
"ABITARE MEDITERRANEO" DATABASE: AN OPEN SYSTEM
M. Sala
APPROACH TO CLASSIFICATION AND EVALUATION OF NATURALLY COOLED BUILDINGS AND ANALYSIS OF WHAT IMPACT PASSIVE COOLING SYSTEMS HAVE ON ARCHITECTURAL DESIGN
G. Cadoni
ADAPTIVE THERMAL COMFORT IN MEDITERRANEAN BUILDINGS
G. Desogus
THE BUILDING ENVELOPE BETWEEN PROCESS AND PRODUCT INNOVATION
D. Pennestrì
THE GALEB OF SOUTHERN TUNISIA: FROM TRADITION TO INNOVATION
F. Ben Ali

15.45 16.00 *COFFEE BREAK*

16.00 16.30
SUSTAINABLE CONSERVATION IN EGYPT: PARADIGM AND ISSUES
Keynote speaker: **Dalila El Kerdany -** *University of Cairo - Egypt*

16:30 - 18.00 **SESSION 3**
SUSTAINABLE URBAN DESIGN FOR THE MEDITERRANEAN CITY
Chairperson: **Marialuce Stanganelli** - *University of Naples Federico II*

CULTURAL SUSTAINABILITY AND URBAN QUALITY
N. Carrà
A NEW ECO-DISTRICT IN BARCELONA
J. M. de Botton y Halfon
THE ENVIRONMENTAL QUALITY OF OPEN SPACES IN THE MEDITERRANEAN AREA
M. I. Amirante
AREZZO CASE STUDY: THE NEW MODEL OF INDUSTRIAL SETTLEMENT IN TUSCANY
P. Gallo
SOFT MOBILITY IN THE CONSOLIDATED CITY
A. Taccone
CITY AS LEAF NERVATION
C. Fallanca De Blasio

18.00 - 18.30
DEBATE
Moderator: **Fabrizio Leccisi** - *University of Naples Federico II*

20.00 *GALA DINNER*

14/02/2012 TUESDAY

VENUE: Centro Congressi Federico II, Via Partenope, 36 Naples

8.30 - 9.00
REGISTRATION

9.00 - 9.30
OPENING SESSION
SUSTAINABLE ENVIRONMENT IN THE MEDITERRANEAN REGION: FROM HOUSING TO URBAN AND LAND SCALE CONSTRUCTION
Keynote speaker: **Mario Losasso -** *University of Naples Federico II*

9.30 - 11.00 **SESSION 4**
SURVEYS AND CONFIGURATION IN MED ARCHITECTURE
Chairperson: **Lia Maria Papa -** *University of Naples Federico II*

MEMORY OF AN EPHEMERAL ARCHITECTURE
A. Davico
INTERPRETATION OF LANGUAGE DECODED BY PRE-EXISTING
G. Foti
BORGO-CLIMA: ENERGETIC AND ENVIRONMENTAL RETROFITTING OF THE HISTORIC FABRIC
P. Davoli
INTERIOR PARTITION WALLS IN MEDITERRANEAN CLIMATES. LIGHTWEIGHT VERSUS HEAVYWEIGHT
P. Mendonça
SUPPORT TOOLS FOR BUILDING THERMAL REHABILITATION
M. Almeida
LIVING. RELATIONSHIPS, FORMS E TYPES
S. Mocci

11.00 - 11.15 *COFFEE BREAK*

11.15 - 12.45 **SESSION 5**
SUSTAINABLE MATERIALS, PRODUCTS AND BUILDING PROCESSES IN THE MEDITERRANEAN AREA
Chairperson: **Domenico Caputo -** *University of Naples Federico II*

IMPROVING BUILDINGS REFURBISHMENT THROUGH OPERATIVE CONDITIONS EVALUATION
M. Almeida
CONVERTING A LARGE SCALE BRICK PLANT TO ALTERNATIVE/RENEWABLE FUELS IN AN INDUSTRIALIZING COUNTRY
F. Moedinger
BIOCLIMATIC APPROACH IN URBAN OPEN SPACE RETROFIT INTERVENTION: THE CASE OF PRATI AREA IN ROME
A. Battisti
NEW DYNAMIC BUILDING ENVELOPE SYSTEMS FOR MEDITERRANEAN AREA
P. Gallo
NEW ACQUISITIONS ON PALAZZO MARZANO IN CARINOLA
F. Miraglia
LES REMPARTS DE MARRAKECH (MAROC): CARACTÉRISATION GÉOTECHNIQUE ET MINÉRALOGIQUE
K. Rkha Chaham

12.45 - 14.15 *LUNCH BREAK*

14.15 - 14.30
SPONSORSHIP PRESENTATION

14.30 - 16.00 **SESSION 6**
MEDITERRANEAN SITES: ARCHAEOLOGICAL AREAS AND SETTLEMENTS
Chairperson: **Marina Fumo -** *University of Naples Federico II*

DESIGN AND TECHNOLOGIES FOR INTEGRATION OF ARCHEOLOGICAL RESOURCES IN ENVIRONMENTAL DESIGN. THE STRATEGIC PLAN OF MARSALA
A. Tartaglia
The urban ParK of Aragon'S wall in Naples
B. Marenga
COMPATIBLE USE AND ENVIRONMENTAL VIVIBILITY IN THE ACERRA CASTLE, NAPLES
C. Filagrossi Ambrosino
INTERACTIONS BETWEEN ANCIENT HERCULANEUM AND MODERN ERCOLANO
P. Pesaresi

16.00 - 16.15 *COFFEE BREAK*

16.15 - 17.45 **SESSION 7**
MEDITERRANEAN LANDSCAPE: PATHS WORKS AND WATER MANAGEMENT
Chairperson: **Alfredo Buccaro -** *University of Naples Federico II*

VILLAGES IN THE INTERIOR OF PORTUGAL
C. Rodrigues
URBAN FORM AND CITY ENVIRONMENT. A PROPOSED METHODOLOGY TO UNDERSTAND SUSTAINABILITY
M. Rigillo
IDENTITY OF RURAL LANDSCAPE. TRADITIONAL CONSTRUCTIONS AND HYDRAULIC WORKS IN CILENTO AREA
P. De Joanna
FROM HISTORICAL RURAL LANDSCAPE TO NEW URBANITY IN SARDINIA
A. Dessì
IMPROVING DAYLIGHT QUALITY IN OFFICES USING FIXED SHADING DEVICES IN HOT CLIMATE REGION
A. A. Y Freewan

17.45 - 18.15
DEBATE AND CONCLUSIONS
Moderator: **Domenico Pianese** - *University of Naples Federico II*

18.15 - 18.30
CLOSING CEREMONY
Dora Francese - *University of Naples Federico II*