

MEDITERRA 2009 - 1st Mediterranean Conference on Earth Architecture, 13-16 March 2009

Local: Aula Magna - Facoltà Di Ingegneria, Piazza D'armi 16, Cagliari, Sardinia, Italy

As previously informed, each paper should be presented in 12 minutes (see instructions on the website).
All the papers presented at the conference are included on the paper proceedings.

FRIDAY, 13th March 2009 - MORNING

09h00 – Registration

09h30 – Opening

THEME 1: Anthropology, building cultures and cultural landscapes

10h15 – **Theme 1 – Session A** (4 papers)

Roberto Bugini, Danilo Biondelli, Luisa Folli

L'architettura in terra nella Pianura Padana Italia Settentrionale): gli edifici in mattoni crudi nella provincia di Cremona

Rosario Chimirri

Trasformazioni dei paesaggi culturali di terra in Calabria, Italia

Emmanuelle Devaux, Letizia Dipasquale, Saverio Mecca, Silvia Onnis

Les architectures en terre à coupoles dans la Syrie du Nord

Juana Font Arellano

Eglises en pisé mixte à Palencia, Espagne

11h10 – Questions

11h20 – Coffee-Break

11h50 – **Theme 1 – Session B** (5 papers)

Eugenio Galdieri

Cultura del costruire: l'architettura di terra e l'equivoco "mediterraneo"

Borut Juvanec

Earth architecture and Slovenia

Silvia Onnis, Mirta Paglini, Luisa Rovero, Ugo Tonietti

Analyse constructive et structurale des coupoles à encorbellement, en terre, dans la région d'Alep, Syrie

Fernando Vegas, Camilla Mileto, Valentina Cristini

Reinforcement of rammed earth constructions with gypsum in Aragon area, Spain

(Outside Mediterranean)

Maria Isabel Kanan

The Mediterranean Portuguese influence in the Brazilian earth-building tradition: a valuable heritage to research

13h00 – Questions

13h15 – Lunch



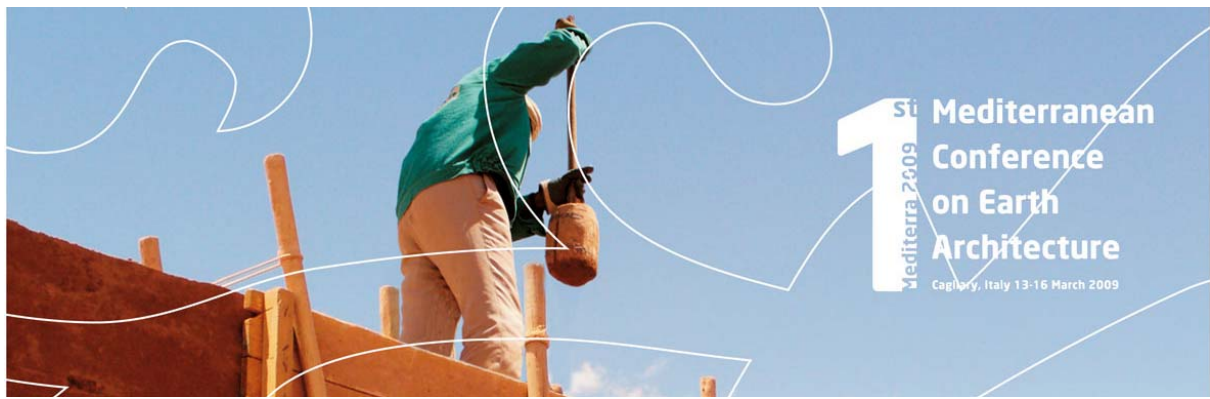
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FRIDAY, 13th March 2009 - AFTERNOON

THEME 2: Archaeology, History and Lexicology

15h00 – **Theme 2 – Session A** (7 papers)

Cirillo Atzeni, Giorgio Pia, Ulrico Sanna, Nannina Spanu
Earth-stone symbiosis in archaeology and conservation

Patricia Bruno
Mudbrick architectures in Low Guadalquivir, on Orientalizant Period. Some reflections around Carambolo settlement (Camas, Spain)

Claire-Anne De Chazelles
Stabilité, disparition et fluctuation des traditions constructives en terre dans les pays méditerranéens

Francisco Javier López Martínez
Tapial, tapia y tapiería: propuesta de definición y clasificación

Raphael Orgeolet
Les structures architecturales en terre crue de la Protohistoire égéenne: de la fouille à l'identification

Georgia Poursoulis
Culture Sismique Locale en Crète (Grèce) à l'âge du Bronze

Martin Sauvage
Les débuts de l'architecture de terre au Proche-Orient

16h30 – Questions

16h40 – Coffee-Break

THEME 3: Conservation and management of cultural heritage

17h10 – **Theme 3 – Session A** (4 papers)

Ana Paula Amendoeira, Maria Fernandes
Le patrimoine mondial en terre dans la Méditerranée

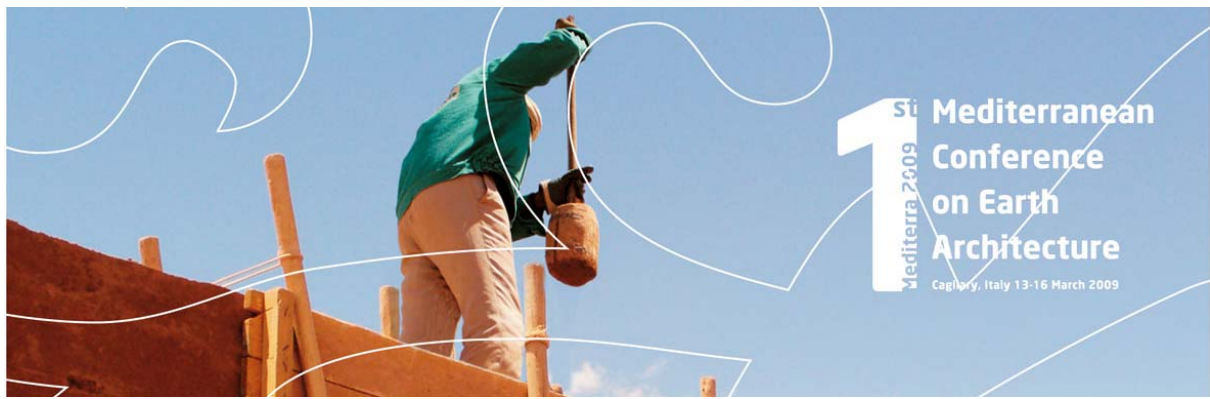
Muhammed Aydin, Tülay Tulun
Studies on the 18th Century Mortars and Plasters used in the housing construction from Balat-Fener district of Istanbul, Turkey

Stefano Bagliani
Dissesti e degrado a causa dell'uomo sull'architettura in terra cruda

Gaia Bollini, Isidoro Parodi
Il programma Terre di Terra e il progetto colore: una strategia per la conservazione e la valorizzazione del patrimonio in terra cruda

18h00 – Questions

18h15 – Presentation of the publication: **“MEDITERRA 2009 Proceedings”**



SATURDAY, 14th March 2009 - MORNING

09h00 – **Theme 3 – Session B** (6 papers)

Daniela Bosia

Guida al recupero dell'architettura in terra cruda nel Piemonte sud-occidentale (Italia)

Mohammed Boussalh

Quel avenir pour les architectures de terre au Maroc ?

Maurizio Cafarelli, Amar Abbou

Réflexion sur l'architecture en terre de Figuig et les enjeux de sa conservation (Maroc)

Valentina Cristini, José Ramon Ruiz Checa

Tapia Valenciana: Caratteristiche di muri in terra rinforzati con mattoni (España)

Leïla el-Wakil

Un avenir pour le Nouveau Gourn (Egypte)

Donatella Rita Fiorino

From catalogue to management: an experience of monitoring for the study and the conservation of local traditional building techniques

10h20 – Questions

10h30 – Coffee-Break

11h00 – **Theme 3 – Session C** (7 papers)

Anna Maria Mecchi, Costantino Meucci, Ilaria Nicolini

Il restauro dell'architettura in terra: una nuova metodologia per la valutazione dei trattamenti conservativi

Giovanna Liberotti, Corrado Alvaro, Marcella Frangipane, Ciriaco Giampaolo, Sergio Lo Mastro, Paola Meloni, Raimondo Quaresima, Roberto Volpe

Characterization of the 4th Millennium mud bricks of Arslantepe Malatya (Turkey)

(Outside Mediterranean)

John M. Barrow

A Century of earthen architectural conservation in American Southwest National Parks (USA)

Mauro Bertagnin, Desirée De Antoni, Anna Frangipane, Silvia Pozzi

Oltre il Mediterraneo: dal dromedario al cammello. Architettura di terra e strategie di conservazione in un sito archeologico fortificato lungo la Via della Seta

Sami el-Masri, Peter Sheehan

Combining traditional and innovative technologies in the conservation and development of al Jahili fort, a historic mudbrick building in the oasis-city of AL Ain, Abu Dhabi, U.A.E.

Saleh Lamei

Preservation of historic building in earthen architecture (Saudi Arabia)

Guido Licciardi

Protecting earthen architecture from rainfall erosion in Arg-e-Bam (Iran) and Tayma (Saudi Arabia)

12h30 – Questions

12h45 – Presentation of the 2 publications: **“TERRA INCOGNITA”**

13h00 – Lunch



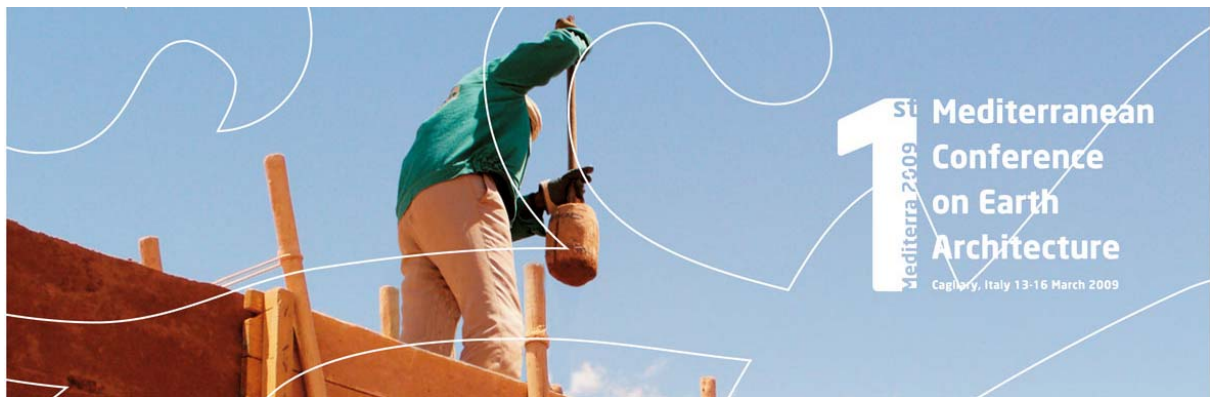
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SATURDAY, 14th March 2009 - AFTERNOON

THEME 4: Research in construction, architecture, town planning and R&D

15h00 – **Theme 4 – Session A** (5 papers)

Romain Anger, Laetitia Fontaine, Hugo Houben

Influence de la teneur en sel et du PH sur la plasticité du matériau terre

Cirillo Atzeni, Mauro Coni, Maurizio Manias, Giorgio Pia, Ulrico Sanna

An industrial experience on ladiri production in Sardinia (Italy)

Giuseppe Berti, Mirta Paglini, Luisa Rovero, Ugo Tonietti

Statistical analysis of earthen corbelled domes in the Aleppo's Region (Syria)

Alessandra Bonazza, Gianfranco Carcangiu, Luigi Massidda, Paola Meloni, Cristina Sabbioni

Weathering and multipollutants agents impact on earth architecture: damage processes and vulnerability

Gilberto Carlos, Mariana Correia

Military topographies: earth fortresses between borders

16h10 – Questions

16h20 – Coffee-Break

16h50 – **Theme 4 – Session B** (7 papers)

Youcef Chennaoui

Le matériau pisé à Cherchell (Algérie) : un autre type d'architecture en terre. Nature et filiation

Sanae Elkhanchoufi, Said Kamel, Rachida Mahjoubi, Jean Marc Vallet, Philippe Bromblet

Les portails de la Medina de Meknès, Maroc : Etat des lieux

Rute Eires, Aires Camões, Said Jalali

Compressed earth mixtures with metakaolin and lime additions and antifungal additives

Luigi Fenu, Francesco Aymerich, Paola Meloni

Influence of different reinforcing fibres on mechanical properties of an earthen material

Laetitia Fontaine, Romain Anger, Hugo Houben

Quelques mécanismes de stabilisation du matériau terre. De la terre stabilisée aux composites argiles – biopolymères

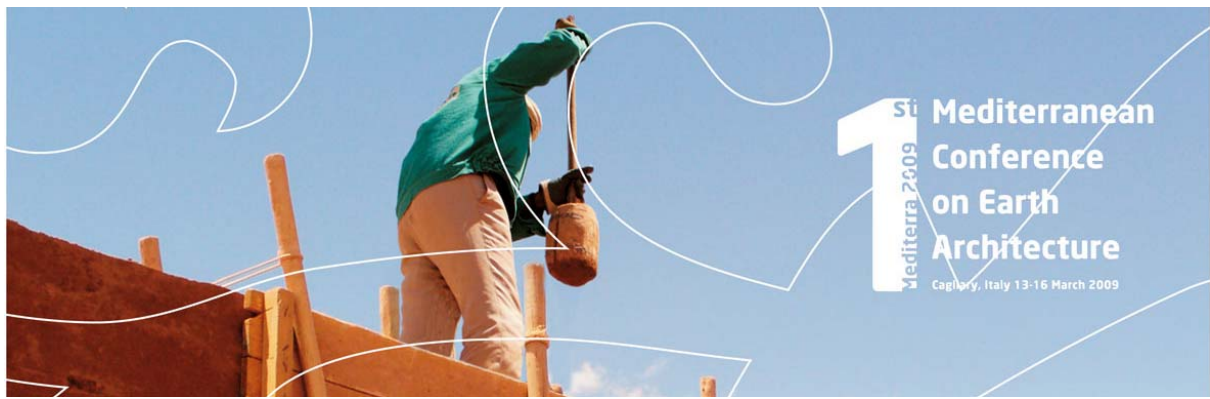
Silvano Piras

Abitazioni e strutture per il turismo in terra cruda

Sergio Sabbadini

Ricerche, sviluppi tecnologici, progetti per interventi attuali in terra

18h30 – Questions



SUNDAY, 15th March 2009 - MORNING

09h00 – **Theme 4 – Session C** (5 papers)

Fabio Fratini, Silvia Rescic, Luisa Rovero, Ugo Tonietti

The earth salt architecture of Middle Age in the Siwa oasis – Egypt

Caterina Giannattasio

La costruzione in terra cruda della Sardegna Meridionale: metodiche per la datazione delle strutture

Idália Gomes, Jorge de Brito, Mário Lopes

Design and strengthening of earth construction in seismic areas

Bilge Isik

Earthen architecture revival as brand building project in Cyprus; while investigating the seismic measures on historical structures

Theodoros Markopoulos, Paola Rotondo, Apostolos Pantinakis, Panagiotis Pantzekos, Apostolos Mousourakis, Georgia Chrysafaki

Measurement of mechanical strength, thermal conductivity and moisture of earth samples from Crete, Greece, containing clay and straw for architectural applications

10h10 – Questions

10h20 – Coffee-Break

10h50 – **Theme 4 – Session D** (5 papers)

Domen Zupančič

Economy and common sense. Vernacular architecture simple solutions from past for today and beyond

(Outside Mediterranean)

Berenice Aguilar

Mexican contemporary earthen architecture

Márcio Albuquerque Buson, Rosa Maria Sposto

Kraftterra – The incorporation of recycled cement sacks to soil for compressed earth block production

Nicola Tarque, Helen Crowley, Humberto Varum, Rui Pinho

Structural properties of adobe dwellings in Cusco (Peru) for seismic risk assessment

Lesley Freedman Townsend

Using indigenous earthen architectural knowledge to build sustainable natural living environments

12h00 – Questions

12h15 – Presentation of Posters

13h00 – Lunch



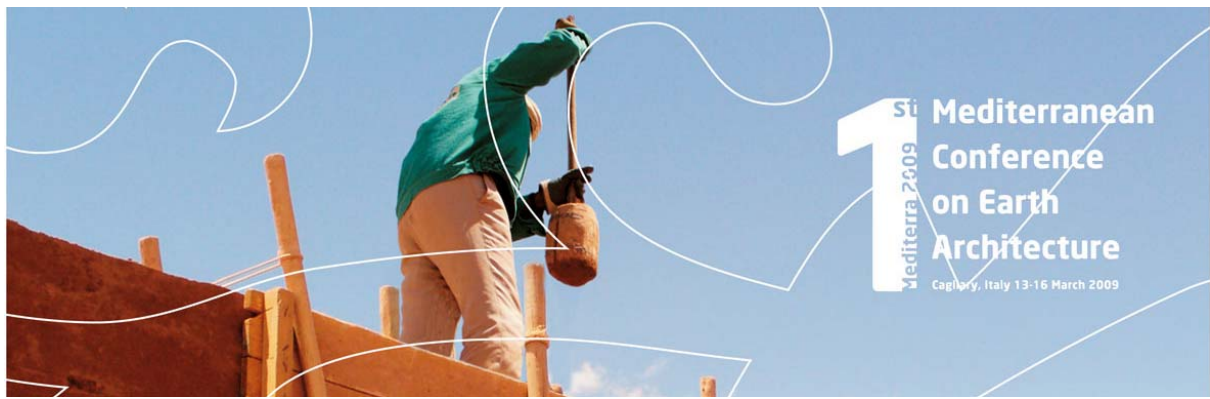
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SUNDAY, 15th March 2009 - AFTERNOON

THEME 5: Education and public awareness

15h00 – **Theme 5 – Session A** (7 papers)

Anna Paola Conti

Restauro, nuova costruzione e didattica. un'esperienza svolta a Treia, Italia

Gianfranco Conti

Le terre del Mediterraneo

Susana Sequeira, Maria Fernandes, Miguel Rocha

Professional training in conservation of rammed earth constructions (Portugal)

Hugo Houben

« ExploraTerra », un module d'enseignement innovant pour la didactique de l'architecture de terre

Abdelghani Tayyibi

Centre du patrimoine de terre à Marrakech: montage d'une structure de recherche, de formation et d'assistance (Maroc)

(Outside Mediterranean)

Horst Schroeder, Ulrich Röhlen, Stephan Jörchel

Professional training and academic teaching in earthen architecture: activities and experiences of the Dachverband Lehm e.V., Germany

Rainer Warzecha

Makunaima: the adobe village and seasonal training camp for cultural heritage on earth building, located in Berlin (Germany)

16h30 – Questions

16h40 – Coffee-Break

17h10 – **Discussion**

18h00 – Closure

20h00 – Official Dinner

MONDAY, 16th March 2009

09h00 – 18h00 – Visit to earth architecture in Sardinia

Meeting point at 8h45: Front door of **Aula Magna - Facoltà Di Ingegneria, Piazza D'armi 16, Cagliari**
(Just for participants that previously registered in the visit)

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