DOMES IN THE WORLD

15.00 – 16.45
CERIMONIA DI APERTURA / Opening Ceremony
Università degli Studi di Firenze, Aula Magna del Rettorato (Piazza San Marco, 4)

*****

17.00 – 18.30
WELCOME DRINK
Provincia di Firenze, Palazzo Medici Riccardi (Via Cavour, 1)
con l’inaugurazione della mostra / with the opening of the exhibition
“CUPOLE IN TERRA IN SIRIA. UNA CULTURA DELL’INCEREZZA”
“EARTHEN DOMES OF SYRIA. AN ARCHITECTURAL CULTURE OF UNCERTAINTY”

Lunedì, 19 Marzo 2012
Monday, March 19th, 2012

19 – 23 Marzo 2012
March 19th – 23rd, 2012
Martedì, 20 Marzo 2012
Tuesday, March 20th, 2012

8.15 – 19.00
Registrazione partecipanti al congresso / The participants registration
Auditorium al Duomo, Foyer
(Via de’ Cerretani 54r)

8.15
Auditorium al Duomo, Slide Center
Apertura del Centro Slide per caricamento presentazioni (Sessione 1 & 2)
Opening of the Slide Center for the presentations uploading (Session 1 & 2)

9.00
Auditorium al Duomo, Anfiteatro Andrzej Tomaszewski
RELAZIONE GENERALE AL CONGRESSO / General Congress Introduction
Vinicio Serino

9.40
RELAZIONI GENERALI ALLE SESSIONI / General Session Introductions
Roberto Corazzi, Emma Mandelli, Gennaro Tampone

10.30
SESSIONE 1 / Session 1:
IDENTITA’ CULTURALE E SIMBOLOGIA / Cultural Identity and Symbolism

Giorgio Croci:
Arch, domes and vaults in the history of architecture

Stella Casiello, Gianluigi de Martino:
Domes in Campania; natural and built landscape. Knowledge, restoration and conservation

Nicola Camerlenghi:
The Millennial Absence of Dome Construction in Medieval Rome

Alessandro Castagnaro:
The dome as a symbol of architecture during the “Ventennio” in Italy between the two world wars

David Asatiani:
The United States Capitol as Temple of American Democracy

Anna Agata Wagner:
Dome in the sacral architecture - the spatial and symbolic considerations based on the projects for The National Temple of Divine Providence in Warsaw

Laura De Carlo, Emanuela Chiavoni:
Geometry and symbols in Sant’Ivo alla Sapienza in Rome

Andrea Giordano:
The “sky” over Berlin: the Reichstag dome

Svitlana Smolenska:
Dome symbolism in the architecture of the Soviet avant-garde in the 1920s-1930s

12.30
SESSIONE 1 / Session 1:
Referees presentation
14.00 – 19.30
Auditorium al Duomo, Anfiteatro Andrzej Tomaszewski

SESSIONE 1 / Session 1:
IDENTITA’ CULTURALE E SIMBOLOGIA / Cultural Identity and Symbolism

Andrzej Kadluczka:
The symbolism of domes in wooden sacred architecture of south-east Poland

Amra Hadžimuhamedović, Fehim Hadžimuhamedović:
Domes in Bosnia

Khosro Behrouzi, Hamid Reza Eshagh:
Role of dome in Mazary (Case Study : Mahmoud Josph-Anmad Abazari Mazary in Yazd)

Gulchohra Mammadova:
Development of domical compositions in the round temples of Caucasian Albania-Azerbaijan

Liana Antelava, Anna Kldiashvili:
The Dome in the Georgian Christian Architecture (The Artistic Expression and Symbolic Semantics of the Dome of the Holy Cross Church in Mtskheta)

Jolanda Scelfo:
The Domes of St. Peter and Paul’s church (Casalvecchio Siculo)

16.00
SESSIONE 1 / Session 1:
Referees presentation

16.30
SESSIONE 2 / Session 2:
GENESI GEOMETRICA, FORMA, RILIEVO, ANALISI, DOCUMENTAZIONE
Geometrical Genesis, Shape, Survey, Analysis, Documentation

Mario Docci:
The cupola of St. Peter’s and the work of Donato Bramante, Antonio da Sangallo the Younger, Michelangelo and Giacomo della Porta

Amelio Fara:
Dome Geometry from Michelangelo to Guarini and the Intermediate Stage
Results of Buontalenti and Longhena

Rosario Ceravolo, Mario Alberto Chiorino, Giuseppa Novello, Giuseppe Abbiati, Luca Zanotti Fragonara:
Reconciling geometry and dynamics: models for oval domes

Fereshteh Hassani:
Semi-domes

Abdel Aziz Salem:
The Architectural Styles of Islamic Domes in Morocco

Dirk Huylebrouck:
Hyperbolic, chiral and skew domes

Giuseppa Novello, Paolo Piumatti:
The design of the dome of the Sanctuary of Vicoforte (Piedmont, Italy) among idea, geometry and construction practices: researches on the shape and the size of the largest oval dome in the world

Martedì, 20 Marzo 2012
Tuesday, March 20th, 2012
Martedì, 20 Marzo 2012
Tuesday, March 20th, 2012

Paola Quattrini, Emiliano Della Bella:  
Marcello Piacentini’s dome in the building for the Cripples and Invalids of War in Rome (‘Casa Madre dei Mutilati ed Invalidi di Guerra’) (1925-1928) between classical space permanencies and technological innovations

Paula Fuentes:  
The geometry of the dome of San Millán in Segovia

Amir Salimi, Seyedmahmood Moeini, Mehdi Damaliamiri, Mehrdad Garousi:  
Wonders of seven in domes: Islam and Christianity

19.00  
SESSIONE 2 / Session 2:  
Referees presentation

Mercoledì, 21 Marzo 2012
Wednesday, March 21st, 2012

8.15  
Auditorium al Duomo, Slide Center  
Apertura del Centro Slide per caricamento presentazioni (Sessione 2 & 3)  
Opening of the Slide Center for the presentations uploading (Session 2 & 3)

9.00  
Auditorium al Duomo, Anfiteatro Andrzej Tomaszewski  
SESSIONE 2 / Session 2:  
GENESI GEOMETRICA, FORMA, RILIEVO, ANALISI, DOCUMENTAZIONE  
Geometrical Genesis, Shape, Survey, Analysis, Documentation

Emma Mandelli, Michela Bigagli, Gaia Lavoratti, Valentina Musto, Sandro Parrinello, Piero Salemi, Michelangelo Tiefenthaler, Laura Aiello, Maria Emilia Ciannavei, Stefania Iurilli, Chiara Odolini, Sara D’Amico, Giulia Galeotti, Erica Ganghereti, Francesca Grillotti:  
Brunelleschi’s domes in Florence

Roberto Corazzi – Giuseppe Conti:  
The Secret of Brunelleschi’s Dome

Domenico Taddei:  
The “spina-pesce” and the “corda-blanda”: Florentine tradition in the (self-supporting) domes rotating

Silvia Bertacchi:  
The dome of Santa Maria del Fiore in Florence: a virtual Model

Grazia Tucci, Alessia Nobile, Maria Riemma:  
Laser scanner surveys and the study of the geometry and structure of the dome in the Basilica della Madonna dell’Umiltà in Pistoia

Nora Lombardini, Grazia Tucci, Valentina Bonora, Nadia Guardini, Paolo Focaccia:  
The survey of the Dome of the Basilica of San Vitale in Ravenna

10.30  
SESSIONE 2 / Session 2:  
Referees presentation
Paolo Rocchi, Andrea Valerio Canale, Corin Frasca:
The History and Problems of Domes: from the ‘Grande Cupola’ of the Vatican Basilica to the Dome of the Basilica di San Bernardino in L’Aquila

Pietro Matracchi, Luca Giorgi:
The dome of the Duomo of Siena. Construction sites during the thirteenth and fourteenth centuries and additions during later ages

Seyed Masoud Mousavizade, Farnoosh Daneshpanah:
Dome surface adornment designing methods in Iranian architecture

Daniel Lefèvre, Carlo Blasi, Eva Coïsson:
The three domes of the French Panthéon

Elena Stevanin, Francesca da Porto, Claudio Modena, Michele Secco, Gilberto Artioli:
Characterization studies on the reinforced concrete dome of the former General Market of Verona, built in 1929

Luigi Fregonese, Cristiano Achille, Laura Taffurelli, Francesco Fassi, Carlo Monti, Ettore Vio:
3D database of the knowledge of material data: analysis of the complex structure of the Pentecoste dome in St. Mark’s Basilica in Venice

Massimo Corradi:
The relationship between form and structure in the dome of the Basilica of San Gaudenzio in Novara

Giacomo Tempesta, Michele Paradiso, Stefano Galassi, Eva Pieroni:
Maurice Lévy’s original contribution to the analysis of masonry domes

Federica Ottoni, Eva Coïsson:
The hexagonal dome of Santa Maria del Quartiere in Parma. Static analysis for conservation and structural consolidation

Luisa Rovero, Ugo Tonietti:
Corbelled domes structural behavior

Jean-Louis Taupin:
Vault to be built without Centerings

Satprem Maini:
Building optimized domes without formwork

Mina Radahmadi:
Dome Transition in the Historic Shrine of Aziran, Iran

Franca Restuccia, Corrado Fianchino, Mariateresa Galizia, Cettina Santagati:
The Iblei’s stone landscape: the ‘muragghi’ through

Gennaro Tampone:
Rare Domes Simulating Timber Construction in Etruscan Hypogeal Tombs
Yury Yuzhakov:  
Wooden Domes of Architecture Monuments in Russia

Fereshteh Pashaei Kamali, Behroz Omrani:  
Wooden domes in the north west of Iran

Ettore Vio:  
The Domes of St. Mark’s Basilica in Venice, similar to each other, but different in structure and shape, in originality, history and building technique

Fabio Fratini, Luisa Rovero, Ugo Tonietti:  
Earthen domes in the Aleppo region (Syria): materials and building techniques

Hadi Safaeipour, Akbar H.E. Zargar, Sajedeh Goudarzi:  
Typology of Khashkhashis (stiffeners) in discontinuous double-shell domes

Alberto Lionello, Claudio Menichelli:  
The unusual dome of the Cappella Emiliana on the Island of San Michele in the Venice Lagoon

Hamideh Choubak:  
Domed house of Jazmurian

Marco Giovanni Brambilla:  
Construction Techniques of the Dome of the Mausoleum of Uljaytu in Sultanqiyya

Mahesh Varma, N.R. Varma, R.S. Jangid and V. G. Achwal:  
Grand Pagoda: world’s largest span masonry dome

18.30  
SESSIONE 3 / Session 3:  
Referees presentation

8.15  
Auditorium al Duomo, Slide Center  
Apertura del Centro Slide per caricamento presentazioni (Sessione 3)  
Opening of the Slide Center for the presentations uploading (Session 3)

9.00  
Auditorium al Duomo, Anfiteatro Andrzej Tomaszewski  
SESSIONE 3 / Session 3:  
TECNOLOGIA COSTRUTTIVA: COSTRUZIONI, CONSERVAZIONE  
The Construction Technology: Constructions, Conservation

Carlo Blasi, Federica Ottoni:  
New studies on Brunelleschi’s Dome in Florence from historical to modern monitoring data analysis. The effect of encircling scaffoldings on cracks evolution

Michela Rossi:  
The Fuller’s heritage: organic models and artificial microcosm in XX century domes

Saheb Mohamadianmansoor, Sina Faramarzi, Meyesam Akbari, Faeze Hatamimajd:  
‘Karbandia’: The ground of applying Dome on different contexts in Iranian architecture

Majid Rassekhi, Arya Ebrahimi:  
Bazar

Miquel Àngel Chamorro, Beatriz García, Jordi Salvat:  
Construction of the tile vault Cap Sa Sal Hotel in Begur, Girona
Bianca Gioia Marino:
Significances and image of dome in the controversy about the restoration of the Parisian Panthéon between eighteenth and nineteenth century

Manuela Praticò, Irene Caltabiano:
The rural African vaulted structures in architecture between preservation and innovation

Giosuè Boscato, Luciano Marchetti, Davide Rocchi, Salvatore Russo:
Monitoring of Anime Sante church’s dome after earthquake in L’Aquila

Gianni Bartoli, Michele Bettì, Claudio Borri:
The Dome of Santa Maria del Fiore in Florence: Monitoring and Structural Analysis

Giorgio Macchi, Stefano Macchi:
Pathologies and interventions on the dome of the Pavia cathedral

Mario Alberto Chiorino, Carlo Casalegno:
Survey and structural modeling for the reliability assessment of the world’s largest elliptical dome at Vicoforte

Nancy A. Rankin:
America’s courthouse: the history and restoration of the dome of the old Nassau County courthouse

Filippo Antonello:
Reconstruction of the wooden vault of the Synagogue of Reggio Emilia

12.30
SESSIONE 3 / Session 3:
Referees presentation

14.30 – 19.30
Auditorium al Duomo, Anfiteatro Andrzej Tomaszewski

SESSIONE 3 / Session 3:
TECNOLOGIA COSTRUTTIVA: COSTRUZIONI, CONSERVAZIONE
The Construction Technology: Constructions, Conservation

Jerzy Jasieńko, Marta Moczko, Andrzej Moczko, Danuta Wala:
Concrete of the centennial hall: UNESCO List, Wroclaw, Poland

Davor Uglešić, Miljenko Domijan:
Reconstruction of St. James’s cathedrals dome in Šibenik

Ana Fernández-Cuartero Paramio, Juan Francisco de la Torre Calvo:
Structural Repair of single layer masonry dome in Brihuega (Spain)

Silvia Briccoli Bati, Mario Fagone, Tommaso Rotunno:
The dome-behavior analysis of the groin vault in the St. John Hospital in the Old City of Jerusalem

Michele Paradiso, Giacomo Tempesta, Stefano Galassi, Eva Pieroni, Elena Perria:
The dome of the cathedral of Santiago de Cuba: degradation and consolidation

Mario Piana:
The dome of Santa Maria della Salute in Venice: its construction and restoration

Laura De Lorenzis, Rossana Dimitri, Biancaneve Codacci-Pisanelli, Giorgio Zavarise:
An innovative technique for strengthening of masonry edge vaults: experiments and modeling

GENERAL DISCUSSION