

II INTERNACIONAL SEMINAR ON TIMBREL VAULTS

MODULE I

1st session Wednesday, NOVEMBER 21, 2018 (Evening) - 5.00 hours

15:00-15:30 Institutional presentation

15:00-15:10: opening
Camilla Mileto, Director of the Master CPA. Universitat Politècnica de València

15:10-15:30: Seminar introduction
Fernando Vegas, Universitat Politècnica de València

15:30 – 16:15 Inaugural Lecture

Double Curvature Timbrel vaults, Cairn and Tentacles of Space
Peter Rich, architect Peter Rich Architects

16:15-18:00 THEMATIC AREA I: Structural Assessment

16:15 – 17:00 Cross Vaults: Analysis Along History and Seismic Capacity
Paulo Lourenço, University of Minho

17:00-17:30 Parametric design of timbrel vaults
Adolfo Alonso, Arturo Martinez and Javier Bono, Universitat Politècnica de Valencia

17:30-18:00 Historical essays of resistance in timbrel vaults
Esther Redondo, Universidad Europea de Madrid

18:00-18:30 coffee break

18:30-20:30 THEMATIC AREA II: Construction History

18:30-19:00 Self-supporting brick vaults in the castles of the Campo de Montiel (Ciudad Real)
Ignacio Javier Gil Crespo

19:00-19:45 Masonry vaulting techniques in India's evolving building crafts tradition
Aftab Jalia, University of Cambridge

20:00-20:30 Round table

2nd session Thursday, NOVEMBER 22, 2018 (Morning) - 4.50 hour

09:00-11:00 THEMATIC AREA II: Construction History (continued)

- 9:00-9:45 Napolitan vaults between the 16th and 17th centuries
Valentina Russo, Università Federico II di Napoli
- 9:45-10:30 Innovations in the vaults of early 19th century in Naples
Lia Romano, Università Federico II di Napoli
- 10:30-11:00 Timbrel vaults Al - Andalus and the Maghreb
Antonio Almagro, Escuela de Estudios Árabes – CSIC

11:00-11:30 coffee break

11:30-13:00 THEMATIC AREA III: Construction techniques. The execution

- 11:30-12:00 Plementeria shells
Enrique Rabasa, Universidad Politécnica de Madrid
- 12:00-12:30 Bands, tabs and partition walls: another way of seeing the timbrel vaults
Arturo Zaragoza, Conselleria de Educación, Investigación Cultura y Deporte, Generalitat Valenciana
Rafael Marín, Universitat Politècnica de València
- 12:30-13:00 Listening to the timbrel vaults
Jesús Palomino, Diedro Arquitectura

13:00-14:00 THEMATIC AREA IV: Construction techniques. Mortars

- 13:00-13:30 Cement mortar in Guastavino vaults
Fernando Vegas, Universitat Politècnica de Valencia
- 13:30-14:00 Timbrel vaults of Earth, an alternative for not industrialized environments
Javier Gómez Patrocinio, Universitat Politècnica de Valencia

14:00-15:30 lunch break

3rd session Thursday, NOVEMBER 22, 2018 (Evening) - 4.50 hour

15:30-16:45 THEMATIC AREA IV: Diagnosis

15:30-16:00 Timbrel vaults at United States: diagnostic methods
Berta de Miguel and Gabriel Pardo

16:00-16:45 Schools of art from Cuba: past, present and future
Michele Paradiso and Saverio Mecca, Università degli Studi di Firenze

16:45 - 18:00 THEMATIC AREA V: Pathology

16:45 – 17:30 Vaults in Andrea Palladio villas: pathology and consolidation
Francesco Doglioni, Istituto Universitario di Architettura di Venezia

17:30-18:00 Domènech i Montaner's Timbrel armed domes: between collapse and restoration
José Luis González Moreno-Navarro, Universitat Politècnica de Catalunya

18:30-18:00 THEMATIC AREA VI: Intervention

18:30-19:00 The blue Timbrel domes
Rafael Soler, architect
Alba Soler, Universidad Jaime I de Castellón

19:00-19:30 Vaults Construction. The case of the monastery of Santo Domingo in Xàtiva
Santiago Tormo, Universitat Politècnica de Valencia

18:30-20:00 THEMATIC AREA VII: Tradition and Innovation

18:30-19:00 Timbrel vault in the near future
Manuel Fortea Luna, University of Extremadura

19:00-19:30 Versatility of Timbrel vault in contemporary architecture
Camilla Mileto, Universitat Politècnica de Valencia

19:30 – 20:00 The Timbrel vault in Andorra
Enric Dilmé, architect

20:00-20:30 Structural performance of Timbrel domes
René Machado, Vault Zafra

20:00-20:30 round table

MODULE II

Design and construction of timber vaults, workshop *directed by Peter Rich*

1st session Friday, NOVEMBER 23, 2018 (Morning) - 5.00 hours
Space 8L of the UPV (outdoor activity)

9:00-14:00 Design and practical construction of timber vaults
Peter Rich, Peter Rich Architects

14:00-15:00 lunch break

2nd session Friday, NOVEMBER 23, 2018 (Evening) - 5.00 hours
Classroom ETSA - UPV

15:00-19:00 Conception and creation of Timber vaults Workshop
Peter Rich, Peter Rich Architects

19:00-20:00 Vaults of ceramic pipes in contemporary architecture
Anupama Kundoo, Universidad Politécnica de Madrid

MODULE III

Analysis and consolidation of vaults, workshop *directed by Francesco Doglioni*

1st session Saturday, NOVEMBER 24, 2018 (Morning) - 5.00 hours
Visits to various Valencian buildings

9:00-14:00 Itinerant analysis of timber vaults built examples and in construction
Francesco Doglioni, Istituto Univ. Di Architettura di Venezia

Visits: Visit to the works of school Montessori (Burjassot), accompanied by C. Gradoli and A.Sanz

Chapel of the communion of the San Nicolás Church, San Sebastián Church and Central market, accompanied by Arturo Zaragoza

Escuelas Pías, accompanied by Rafael Soler and Alba Soler

14:00-15:00 lunch break

2nd session Saturday, November 24, 2018 (Morning) - 5.00 hours
Classroom ETSA - UPV

15:00 - 20:00 Repair and restoration of timber vaults Workshop
Francesco Doglioni, Istituto Univ. di Architettura di Venezia