THE FIRST
CONSTRUCTION HISTORY SOCIETY
CONFERENCE
&
ANNUAL GENERAL MEETING
Friday 11 April 2014
To
Saturday 12 April 2014
Queens’ College,
University of Cambridge
FRIDAY 11 APRIL
CONFERENCE DAY ONE

9.00-9.30AM ARRIVAL AT QUEENS' AND REGISTRATION

9:30AM WELCOME TALK: FITZPATRICK HALL

10:00-11:15 PARALLEL SESSIONS (1 & 2)

Session 1: Iron Bridges
James Miller, Jackie Heath  
The History of Defect and Repairs of Iron bridge
Dermot O’Dwyer, Ronald Cox  
Old Ennisnag Bridge
Ine Wouters  
Production and assembly marks in wrought iron structures

Session 2: Measuring and Recording
John Gelder  
Two Egyptian curves revisited
Francisco Javier Rodríguez Méndez  
Spatial unification of Romanesque churches in Zamora and its influence on the buttress system
Piero Gilento  
A proposal for cataloguing the building techniques in Roman-Byzantine and Islamic Jordanian Hawrān. Stratigraphy and Chronotypology: the Umm as-Surab village.

11:15-11:30 COFFEE AND BISCUITS

11:30-12:45 PARALLEL SESSIONS (3 & 4)

Session 3: Contracts and Finance
Gabriel Byng  
‘Fabric Wardens’ and the Organisation of Parish Church Construction in the Late Middle Ages
Melody Mobus  
Surviving late payments: Strategies of Christopher Wren's masons from Burford
Conor Lucey  
The developer, the builder, his contractors and their tradesmen

Session 4: Post-1945 Construction
Christopher Domin  
Hang The Roof: Building The Aerial Site [Lightweight Roofs]
Benedetta Stoppioni  
New Technologies For A New Society: German Museum Architecture After 1945
Stephanie Van De Voorde  
The Emergence Of A New Generation Of Building Products In Post-War Belgium. The Case Of Lightweight Concrete

12:45-2PM LUNCH IN CRIPPS DINING HALL
2-3PM **KEYNOTE ADDRESS:**

**Richard Harris**

The Fruits Of Dendrochronology: New Insights Into Roof Carpentry In England, Germany And France

**3:00-4:15 AFTERNOON SESSIONS (5, 6)**

**Session 5: Carpentry**

*David Yeomans, Hugh Harrison*

The construction and structure of medieval gates

*Patrick Fleming, Sofia Singler, Michael Ramage*

Construction History and Alteration of the Oak Roof Structure of the Sidney Sussex College Hall

*Robert Beech*

Form v Function: The Structural Development of Early fifteenth-century Hammer-beam roofs

**Session 6: Cements and renders**

*Salvatore Aprea*

The early German production and use of modern hydraulic binders: between English influences and the search for a scientific approach, 1817-1839

*Y. Govaerts, A. Verdonck, M. de Bouw, W. Meulebroeck*

The introduction of ready-mix rendering mortars for stone imitation in Belgium [1920-1940]

*Maris Mändel*

Dreaming of a Cementless Future: The Story of Silicalcite

**4:15-4:30 COFFEE AND BISCUITS**

**4:30-6.00 LATE AFTERNOON SESSIONS (7, 8)**

**Session 7: Vaults, Domes and Castles**

*Cristina Gonzalez-Longo*

The transformation of Drumlanrig Castle at the end of seventeenth-century

*Dimitris Theodossopoulos*

Stone barrel vaulting in late medieval churches in Scotland

*Jacques Heyman*

Wren’s domes

**Session 8: 20th Century Construction**

*Fiona Smyth*

Acoustic Design in the 1930s: Robinson and Keefe’s Church of Corpus Christi, Dublin

*Kenneth F. Robson, Somik Ghosh*

Lean Principles in the Design and Construction of the Empire State Building

*Laura Greco*

The evolution of building techniques in the Italian Alpine context from the 1950s-1960s. The case of the Church in Corte di Cadore by Edoardo Gelliner and Carlo Scarpa (1956-1961)

*Oscar Fuertes, Joaquin Fernandez*

The traditional wooden shipyards on the northwest coast of Spain.

**END OF FIRST DAY**

**FREE EVENING IN CAMBRIDGE**
SATURDAY 11 APRIL
CONFERENCE DAY TWO

8:30-9:30 AM BREAKFAST AND MORNING REGISTRATION

9:30AM WELCOME TO DAY TWO (FITZPATRICK HALL)

10:00-11:15 OPENING SESSIONS DAY TWO (SESSIONS 9, 10)

Session 9: the Building World

Christine Wall
Recording the ‘building world’: how oral history transforms construction history.

Robert C. McWilliam
Transferring construction technology and conflicts of interest - a century ago.

Linda Clarke
Building by Direct Labour: the significance of DLOs

Session 10: Vaulting Ambitions

Carmen Pérez-de-los-Ríos, Enrique Rabasa-Díaz
Stretched templates in Gothic tas-de-charge construction

Alberto Calderón
Strategies for the accord of Gothic and Classical stone construction systems in 16th- and 17th-century buildings in Northern Spain

Elena Pliego de Andrés, Alberto Sanjurjo Álvarez
Robert Willis’ Contribution to Understanding the Gothic Flamboyant Style

11:30-11:45 COFFEE AND BISCUITS

11:45-12.45 KEYNOTE LECTURE

Mark Wilson-Jones
Thoughts on Greek and Roman Building Construction

12:45-2PM LUNCH IN CRIPPS DINING HALL
2-3pm AGM CONSTRUCTION HISTORY SOCIETY

3:00-4:15 AFTERNOON SESSIONS (11, 12)

Session 11: The Concrete World

Stefan M. Holzer
Mixing concrete – remarks on the early history of modern concrete

Jan Moksnes
Concrete Platforms in the North Sea – a golden era for development of advanced concrete structures

Francesco Carlo Toso
An alpine hydroelectric construction site. Works for the utilisation of hydraulic resources in Alta Valtellina 1907-1930

4:15-4:30 COFFEE AND BISCUITS

4:30-6:00 AFTERNOON SESSIONS (13, 14)

Session 12: Developing Materials

Chris How
The British Cut Clasp Nail

Yiting Pan
Timber Supply in Colonial China, 1840-1940

Yu-sen Chou, Dimitris Theodossopoulos
Building Material Migration: Imported Brick and Localization in Taiwan in 17th Century

Session 13: Transferring ideas

José Antonio García-Ares, Fabio Tellia
Some Instances of Arch and Vaulting Construction at the New York Public Library

L. Dekeyser, A. Verdonck
Knowledge transfer of vernacular finishing techniques in the interwar period: on the history of cimorné render

Christiane Weber
Frei Otto and model testing: “Ich traue der reinen Rechnung nicht, wenn diese nicht am Modell überprüft werden kann (I cannot trust the pure calculation, if this cannot be verified with a model)”

Session 14: Innovative structures

Dermot O’Dwyer, Jay Cummins, Ronald Cox
John Rennie’s Dublin cast-iron trusses

Paul Bell
Some examples of structural innovation in the construction of English churches in the long 19th century

Ekaterina Nozhova
Timber hyperbolic lattice structures: Shukhov revisited

Alberto Pugnalé, Alberto Bologna
Dante Bini’s air structures (1964-1979). From early Italian prototypes to the Australian experience.

6:00-6:30 CLOSING DISCUSSION: FITZPATRICK HALL

7:00 DRINKS RECEPTION OLD KITCHENS

7:30PM GALA DINNER IN OLD HALL (OPTIONAL)
SUNDAY 12 APRIL
DEPARTURE

8:30-9:30 AM BREAKFAST

TOURS OF CAMBRIDGE OLD AND NEW AVAILABLE
OR
DEPART