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 Hawrân. Stratigraphy and Chrono-typology: 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 Gellner 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

**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

4:15-4:30 COFFEE AND BISCUITS
4:30-6:30 AFTERNOON SESSIONS (13, 14)

**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
- Dr Luciano Cardellicchio: Pier Luigi Nervi vs Fazlur Khan: the developing of the outrigger system for skyscrapers

6:30-6:45 CLOSING WORD: 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