



THE FIRST
CONSTRUCTION HISTORY SOCIETY
CONFERENCE

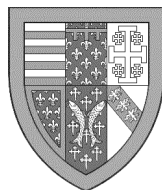
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ANNUAL GENERAL MEETING

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
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)"

Robert Carvais

A Digital Edition of the Didactic Knowledge of Construction: a Critical Edition of the Courses of Antoine Desgodets, Professor at the Académie Royale d'Architecture (Paris, 1719-1728)

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 Pugnale, Alberto Bologna

Dante Bini's air structures (1964-1979). From early Italian prototypes to the Australian experience.

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**