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THE CONSTRUCTION HISTORY SOCIETY

FOURTH CONFERENCE AND AGM 2017



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Image copyright: BGS, CP 14/066. Quarrymen hand-splitting Portland Stone at Bottom Lombe Quarry, 1928.

VENUE: QUEENS' COLLEGE, CAMBRIDGE

DATE: 7-9 APRIL 2017

Contact Dr James Campbell: e: chs@aha.cam.ac.uk

www.constructionhistory.co.uk

Friday 7 April

DAY ONE

8.00 - 9:00 BREAKFAST - Cripps Dining Hall (only for those staying overnight in college)

09.00 REGISTRATION DESK OPEN FOR NEW ARRIVALS

9.30 **James Campbell** - *Welcome*
FITZPATRICK HALL

9.45 – 11.00 PARALLEL SESSIONS (1 & 2)

Session 1: **Training**
FITZPATRICK HALL

Richard W. Hayes
Teaching Building: Practical Training at the Architectural Association during the Post-War Years

Sarah Melsens, Priyanka Mangaonkar-Vaiude, Inge Bertels
The emergence and impact of vocational training in the building trades in Pune (India): an analysis of three institutes

Louisa Matthews, Julian D. Richards
Built Legacy: Digital Preservation of Historic Building and Structure Recording

Session 2: **Wittgenstein's "Hut"**
BOWETT ROOM

Harald Røstvik
Reconstructing Ludwig Wittgenstein's house in the "quiet seriousness" of Skejolden, Norway

11.00 - 11.15 BREAK

Tea, Coffee, and Biscuits served in the College Bar

11.15 – 1:00 PARALLEL SESSIONS (3 & 4)

Session 3: **20th Century**
FITZPATRICK HALL

Marisela Mendoza
Construction of the 21 hyperbolic paraboloid concrete shells to roof the Queensgate Market Hall, Huddersfield.

Linsy Raaffels, Inge Bertels, Stephanie Van de Voorde
Constructive Experiments in Architects' Houses. The Case of Louis Herman De Koninck's House in Brussels

Stefania Mornati
The Contribution of Italian Engineering in the Design and Construction of the Jubilee Church by Richard Meier (1996-2003)

Iva Stoyanova
Disappearing tobacco warehouses in Plovdiv: building technology and an important legacy

Session 4: **Repair & Craftsmanship**
BOWETT ROOM

Matthias Garn
The Clay Tile Repair: Form, Function and Value

John Gelder
Comparing 'as documented' with 'as excavated' in Ancient Egypt.

Mattias Hallgren, Gunnar Almevik
The Craftsmanship in Construction and Transformation of Historic Campaniles

Silvia Alberti
Construction aspects of the church of Santa Lucia in Cagliari (Italy)

1.00-1.30 LUNCH Cripps Dining Hall

1.30 – 3.15 PARALLEL SESSIONS (5 & 6)

Session 5: **Ireland and the Irish**
FITZPATRICK HALL

Dermot O'Dwyer, Ronald Cox
George Semple and the Construction of St. Patrick's Hospital Dublin (1749-1753)

Michael Mulvey
'Digging for Gold': Irish Immigrant Entrepreneurs in the Post-war Reconstruction of London

Shirley Markley
Filling the Void – Earth Mortared Masonry Buildings: Unearthing Ireland's Medieval Settlement Record

Elizabeth Shotton
Port Oriel: God's Own Dock, or Abomination? The Shifting Value Systems of Civil Engineers

Session 6: **Archaeology**
BOWETT ROOM

Marina Döring-Williams, Luise Albrecht
The Kufic Inscription Of The Maiden Tower In Baku. Building Processes Indicating The Date Of Construction

Arturs Lapins
Cesis Castle, Latvia: Historical Techniques in the Medieval Structural Ceramics Revealed

Gudrun Styhler-Aydın, Marina Döring-Williams
The Fortification Walls of Hisn al-Bab on the Southern border of Egypt: An Analysis of Structures and Building Techniques

Michael Tutton
Stout trees and putlogs: tales of early scaffolding up to c.1600

3.15- 3.30 BREAK Tea, Coffee, and Biscuits served in the College Bar

3.30 – 5.15 PARALLEL SESSIONS (7 & 8)

Session 7: **Regulation and Contracting**
FITZPATRICK HALL

Stephanie Van de Voorde, Sabine Kuban, David Yeomans
Early Regulations and Guidelines On Reinforced Concrete in Europe (1900-1950). Towards An International Comparison

Jelena Dobbels, Inge Bertels and Ine Wouters
The Belgian General Contractors' Struggle For Legal Recognition

Johan Ericsson
Procuring School Buildings: The Case of Uppsala, Sweden 1870-1970

Laura Greco
The rehabilitation of the Mirafiori factory in Turin. The case of the northern extension of the Officine Principali by Nervi & Bartoli (1954-1955)

Session 8: **Materials**
BOWETT ROOM

Karl Magnus Melin
Techniques of cleaving wood with an axe and mallet- Deconstructing present craft knowledge, in order to reconstruct historic.

Chris How
An early use of the 'Oliver' in Nail Production

John McGuinness
Early concrete housing in Maidenhead and elsewhere in The British Isles

Mario Rinke
The domes of the University of Zurich and the SUVA head quarter in Lucerne – early glulam construction in Switzerland

5.30 – 6.30 **KEYNOTE ADDRESS**
FITZPATRICK HALL

Luke Hughes

Baltic Timber Trade and Prefabricated Panelling in the 17th Century

6.30 - 7.30 FREE EVENING TO EXPLORE CAMBRIDGE (**DINNER NOT INCLUDED**, BUT FOOD AVAILABLE FROM CAFETERIA AT COST - PAY AT CHECKOUT)

Organising Committee Dinner

Saturday 8 April
DAY TWO

8.00 - 9:00 BREAKFAST - Cripps Dining Hall (only for those staying overnight in college)

09.00 REGISTRATION DESK OPEN FOR NEW ARRIVALS

9.30 **James Campbell** - *Introduction to Day Two*
FITZPATRICK HALL

9.45 – 11.30 PARALLEL SESSIONS (9 & 10)

Session 9: **Vaulting**
FITZPATRICK HALL

Alex Buchanan, Nick Webb
Tracing Tiercerons: an evaluation of the significant properties of thirteenth and fourteenth-century tierceron vaults in England

Giulia Chemolli
The Österreichischer Ingenieur- und Architekten-Verein's tests on vaults 1890-1895.

David Wendland, Frédéric Degenève
How to order fitting components for looping ribs: Design procedures for the stone members of complex Late Gothic vaults

Session 10: **19th Century Contracting**
BOWETT ROOM

Bernard Espion
The beginnings of the Blaton company: from the trade of construction materials to established contractor in Belgium, 1865-1914

Marianne de Fossé, Inge Bertels, Ine Wouters
The choice of construction materials in historic urban warehouses in Antwerp and Brussels

Sabin Kuban
The introduction of reinforced concrete in Berlin - a close reading of historic statistical data

Mike Chrimes
George Stephenson & Son: Consulting engineering on the cusp of the railway age

11.30 – 11.45 BREAK

Tea, Coffee, and Biscuits served in the College Bar

11.45 – 12.00 ANNUAL GENERAL MEETING

Construction History Society AGM

12.00 - 1.00 **ANNUAL LECTURE**

Tom F. Peters
*Culture, Construction and Bridge Building:
Western and Chinese traditions in construction technology*

1.00 - 2.00 LUNCH Cripps Dining Hall

2.00 –3.45 PARALLEL SESSIONS 11 & 12)

Session 11:

Carpentry and Roofs

FITZPATRICK HALL

James Campbell

Three Oxford Roofs from the late seventeenth and early eighteenth century attributed to Dean Henry Aldrich

Louis Vandenabeele, Inge Bertels, Ine Wouters

The Timber Roof Of The Gothic Revival Broodhuis (Brussels, 1873-1895): Design, Construction And Collaboration

Romain Wibaut, Ine Wouters, Thomas Coomans

Construction Of Church Roofs In The Brussels Capital Region, 1830-1930: Ahead Of Technology?

Francois Calame, Andy Hyde

Nicolas Fourneau - Master carpenter and author of the first modern French treatise on geometrical carpentry drawing

Session 12: **Twentieth Century**

BOWETT ROOM

Rika Devos

Building prestige: Victor Horta's Palais des Beaux-Arts (1922-8) as Blaton's breakthrough for building in reinforced concrete in Belgium

Rossella Putzolu

The Monteponi Society: a mining Company that changed a territory.

Vladimir Ladinski

Residential Construction following the 1963 Skopje Earthquake

Will MacLean

Building with Glass: Tim Macfarlane and the Development of Glass as a Load-bearing Structural Element

4.00 – 4.30

BREAK

Tea, Coffee, and Biscuits served in the College Bar

4.30 –5.30

PARALLEL SESSIONS 13 & 14)

Session 13:

International Reports

FITZPATRICK HALL

Short reports on the status of Construction History in Belgium, France, Germany, Italy, Spain, USA and Portugal.

Chair: James Campbell

Contributors: Santiago Huerta, Robert

Carvais, Antonio Becchi, Herman

Schlimme, Bernard Espion, João

Mascarenhas Mateus

Session 14:

5.30 - 6.00

BREAK

Tea, Coffee, and Biscuits served in the College Bar

6.00 - 7.00

MST IN BUILDING HISTORY ANNUAL LECTURE

FITZPATRICK HALL

Marliyn Palmer

Technology in the Country House

7.00 - 7.30

BREAK

Drinks in bar- time to change

7.30

DRINKS RECEPTION in the Bar area

8.00 - 10.00

GALA DINNER Old Hall (for those that have booked). Dress smart casual

9.30 - 11.00

COLLEGE BAR

Open for After Dinner Drinks

Sunday 9 April
DAY THREE (Visits)

8.00 - 9:00 **BREAKFAST** - Cripps Dining Hall (only for those staying overnight in college)

 (Business breakfast for Heads of International Organisations in the Armitage Room)

10.00 Check out of rooms- leave bags at Porter's Lodge if necessary

11.00 Coach leaves for Ely (from Queens' Road behind Queens')

12.00

VISIT TO THE OCTAGON ROOF OF ELY CATHEDRAL

14.30 Depart Ely

14.45 Ely Station drop off for those wishing to catch train to Stansted Airport/London

(train to London via Cambridge dep. 1458, arr. Cambridge 1515, arr.London Kings Cross/St Pancras 1609,
connecting with train to Stansted Airport (dep. Cambridge 1524 arr. Stansted 1600))

16.00 Return to Queens'

(Public Bus to Heathrow from bus station departs 1720 arrives Heathrow 1945)