

# CHS

# THE CONSTRUCTION HISTORY SOCIETY

## FOURTH CONFERENCE AND AGM 2017



Visit: [www.constructionhistory.co.uk/home](http://www.constructionhistory.co.uk/home) for further details

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

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[www.constructionhistory.co.uk](http://www.constructionhistory.co.uk)

# Friday 7 April

## DAY ONE

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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: **20<sup>th</sup> 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 17<sup>th</sup> 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**

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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: **19<sup>th</sup> 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)**

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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)