

# CHS

# THE CONSTRUCTION HISTORY SOCIETY



FIFTH ANNUAL CONFERENCE & AGM

DAY ONE: HISTORY OF BUILDING SERVICES

DAY TWO: GENERAL

6-8 April 2018

QUEENS' COLLEGE, CAMBRIDGE

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

**Friday 6 April**  
**DAY ONE**  
**HISTORY OF BUILDING SERVICES**  
(in collaboration with CIBSE)

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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

9.15 **James Campbell** - *Welcome*  
FITZPATRICK HALL

9.30 **KEYNOTE ADDRESS**  
FITZPATRICK HALL

**Henrik Schoenefeldt**

*Towards a History of Building Services*

10.30 – 10.45 BREAK

Tea, Coffee, and Biscuits served in the College Bar

10.45 – 12.45pm SESSIONS 1 & 2

Session 1: **Pipes and Drains**  
FITZPATRICK HALL

**Jørgen Burchardt**

The hidden system: How district heating came to town

**Jozefien Feyaerts**

Building services in nineteenth-century Belgian cellular prison architecture

**John Gelder**

Roman building services and architectural manuals

**Dermot O'Dwyer**

The Drainage of the Fucine Lake in Antiquity and in the Nineteenth Century

Session 2: **Ventilation**  
BOWETT ROOM

**Silvia Groaz**

Ducts and Moldings: the Ambiguous Inventions of Franco Albini and Franca Helg

**Boris Hamzeian**

The Evolution of the Pompidou Centre's Air-Conditioning System. Toward a new figure of architecture.

**Hala Roshdy Hegazy**

The open-air school as an environmental Typology, 20th Century

12.45pm-1.30pm LUNCH Cripps Dining Hall

1.30 – 3:00 SESSIONS 3 & 4

Session 3: **Daylight and Air**  
FITZPATRICK HALL

**Alisa Khan**

Sanatoria for treatment of tuberculosis and the aftercare colonies (Early 20<sup>th</sup> century)  
The Papworth Village settlement,  
Sanatorium Zonnestraal and the Paimio Sanatorium

**Ranald Lawrence**

The environmental role of transition spaces in Victorian architecture

**Samuel Leatt**

Owen Williams's Boots' "Wets" factory - a case study on the daylight factory typology.

Session 4: **Comfort and Heating**  
BOWETT ROOM

**Surabhi Pandurangi**

Understanding Preservation and Comfort in the British Museum Reading Room

**Fiona Smyth**

"Symphony for Full Orchestra and Asbestos":  
Tuning Albert Hall during WWII.

3.00 – 3.15 BREAK  
Tea, Coffee, and Biscuits served in the College Bar

3.15 – 5.15 SESSIONS 5

Session 5: **Solar energy & energy efficiency**  
FITZPATRICK HALL

**Mariam Itani**

Case Study Analysis of the Baer House

**Quian Wang**

Case Study: The Temperate House at  
Kew—Controlling the climate under a glass  
sky

**Kan Liang**

Case Study: The Norris Cotton Federal  
Office Building

5.15 – 5.30 BREAK  
Tea, Coffee, and Biscuits served in the College Bar

5.30 - 6.30 **KEYNOTE ADDRESS**  
FITZPATRICK HALL

**Professor Dean Hawkes**

*After Reyner Banham:*

*"I do not like pipes, I do not like ducts"*

6.30 - 7.30 FREE EVENING TO EXPLORE CAMBRIDGE (NO DINNER PROVIDED, BUT FOOD AVAILABLE FROM  
CAFETERIA AT COST - PAY AT CHECKOUT)

7.30 - 11.00 COLLEGE BAR OPEN

**Saturday 7 April  
DAY TWO  
OPEN CALL**

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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
- 9.15 **James Campbell** - *Introduction to Day Two*  
FITZPATRICK HALL
- 9.30 – 11.30 PARALLEL SESSIONS 7 & 8
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| Session 7: <b>Roofs</b><br>FITZPATRICK HALL   | Session 8: <b>Churches and Libraries</b><br>BOWETT ROOM  |
| <b>Lee Prosser</b><br>The roofs of Inigo Jones revisited  | <b>Mónica López Piquer and Josep Lluís i Ginovart</b><br>Trace Methods of the Romanesque Churches of Val D’Aran (11 <sup>th</sup> -13 <sup>th</sup> centuries)<br>Orientations |
| <b>Iva Stoyanova</b><br>Scaffolds for the iron-and-glass roof of Gallery Vittorio Emanuele II: challenges, design and evolution   | <b>Mattias Hallgren and Robin Gullbrandsson</b><br>Transformation of the interior of Gökhem, a Swedish Romanesque church - results of an investigation of the attic            |
| <b>Mario Rinke and Roshanak Haddadi</b><br>The riding arena in St. Moritz and the locomotive depot in Bern – a comparative study of early glulam construction in Switzerland                  | <b>Karl-Magnus Melin</b><br>Medieval counter rebated doors. A door from the Diocese of Lund compared with the English examples.  |
| <b>Ming Shan Ng and James W. P. Campbell</b><br>The Unpublished Carpentry Archives of Cecil Hewett (1926-1998): a survey of his letters and drawings in the Essex Record Office in Chelmsford | <b>Luciano Cardellicchio</b><br>The Italian engineering contribution in the technical development of the new Hertziana Library by Juan Navarro Baldeweg                        |
- 11.15 - 11.30 BREAK  
Tea, Coffee, and Biscuits served in the College Bar
- 11.30 – 11.45 ANNUAL GENERAL MEETING  
Construction History Society AGM
- 12.00 - 1.00 **ANNUAL LECTURE**  
FITZPATRICK HALL  
**Reassessing Hewett: a Debate**  
*David Leviatin and David Yeomans*
- 1.00 – 1.30 LUNCH Cripps Dining Hall

1.30 –3.00 PARALLEL SESSIONS 9 & 10

Session 9:

**Vaults**

FITZPATRICK HALL

**Beatrice Lampariello**

Cells and *Epines-Contreforts* for a New Kind of Vaulted Roofing: the Church of Saint-Jean-de-Montmartre in Paris

**José Calvo López**

The Vault over the Crossing Tower in Lincoln Cathedral in the Context of European Gothic Architecture

**Michael Wood**

King's College Chapel Vault; Movement, Restraint and Foundation Loading

Session 10: **Men and Materials**

BOWETT ROOM

**Karey Draper and James W. P. Campbell**

The Armstrong Hut in the First World War

**Michael Mulvey**

'Once Hard Men Were Heroes': Masculinity, Cultural Heroism and Performative Irishness in the Post-war British Construction Industry

**Ignacio-Javier Gil-Crespo**

Military reports about the walls and fortification projects in Havana, 19th century

**Chris How**

The First Wire-Nail machines & their origins

3.00 - 3.15 BREAK

Tea, Coffee, and Biscuits served in the College Bar

3.15 –5.15 PARALLEL SESSIONS 11 & 12

Session 11:

**Engineers and Engineering**

FITZPATRICK HALL

**Robert Thorne**

The Rise and Fall of Fox Henderson 1840-1856

**Aikaterina Maria Chalvatzi**

Theatre Construction in Eighteenth-Century France: The Opera of the Palais-Royal in Paris and its impact on theatre construction

**Mark Samuel**

The Dry Dock at Ramsgate: Smeaton or Rennie? A developmental history

Session 12: **Twentieth century**

BOWETT ROOM

**Vladimir B. Ladinski**

Immediate Housing Construction following the 1963 Skopje Earthquake

**Joel Audefroy**

History of Early Twentieth Century Anglo-Caribbean Wooden Houses in Chetumal City, Quintana Roo, Mexico

**Roberta Lucente and Laura Greco**

The Montreal Stock Exchange Tower by Luigi Moretti and Pier Luigi Nervi (1961-1965)

**Matthijs Degraeve and Frederik**

**Vandyck**

Spatial analysis of timber construction SMEs in Brussels (1880-1980)

5.15 - 5.30

BREAK

Tea, Coffee, and Biscuits served in the College Bar

5.30 –6.30 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: TBC

Session 14: **Masonry**  
BOWETT ROOM

**Shirley Markley**  
Earth Mortared Masonry Construction – Its  
Symbolism and Functionality – An Irish and  
United Kingdom Perspective

**Alessandro Pierattini**  
The beginnings of stone construction in archaic  
Greece

**Antoine Baudry**  
From the drawing to the wall: the operational  
chain of building stone on the restoration  
worksite of St. Martin's church in Liège during  
the nineteenth century

6.30 - 7.30 **MST IN BUILDING HISTORY ANNUAL LECTURE**  
FITZPATRICK HALL

**Nat Alcock**

*Saddles and Skew-pegs: the construction of cruck buildings*

7.30 - 8.00 **DRINKS RECEPTION** - Bar

8.00 - 10.00 **FORMAL GALA DINNER** Old Hall (for those that have booked)

9.30 - 11.00 COLLEGE BAR      Open for After Dinner Drinks

**Sunday 8 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 followed by discussions on  
new Federation 8-12)

**VISIT TO THE VAULTS OF PETERBOROUGH CATHEDRAL**

10.00            Coach Departs Queens'

12.00            Coach arrives Peterborough

12.00            Tours of Cathedral floor and of space above Medieval Fan Vaults

3.00             Option of Either Walk to Train station  
(Trains from Peterborough to Stansted arriv. 16.45)  
(Trains from Peterborough to London arriv. 1632)

3.00            Or Coach departs back to Cambridge

5.00            Coach arrives back at Cambridge