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

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  Session 2: Ventilation
   FITZPATRICK HALL  BOWETT ROOM
   Jørgen Burchardt
   The hidden system: How district heating came to town
   Jozefien Feyerts
   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
   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  Session 4: Comfort and Heating
   FITZPATRICK HALL  BOWETT ROOM
   Alisa Khan
   Sanatoria for treatment of tuberculosis and the aftercare colonies (Early 20th 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.
   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

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

Session 7:  Roofs
FITZPATRICK HALL

Lee Prosser
The roofs of Inigo Jones revisited

Iva Stoyanova
Scaffolds for the iron-and-glass roof of Gallery Vittorio Emanuele II: challenges, design and evolution

Mario Rinke and Roshanak Haddadi
The riding arena in St. Moritz and the locomotive depot in Bern – a comparative study of early glulam construction in Switzerland

Mónica López Piquer and Josep Lluis i Ginovart
Trace Methods of the Romanesque Churches of Val D’Aran (11th-13th centuries)

Session 8:  Churches and Libraries
BOWETT ROOM

Mattias Hallgren and Robin Gullbrandsson
Transformation of the interior of Gökhem, a Swedish Romanesque church - results of an investigation of the attic

Karl-Magnus Melin
Medieval counter rebated doors. A door from the Diocese of Lund compared with the English examples.

Mónica López Piquer and Josep Lluis i Ginovart
Trace Methods of the Romanesque Churches of Val D’Aran (11th-13th centuries)

Orientations

Mattias Hallgren and Robin Gullbrandsson
Transformation of the interior of Gökhem, a Swedish Romanesque church - results of an investigation of the attic

Karl-Magnus Melin
Medieval counter rebated doors. A door from the Diocese of Lund compared with the English examples.

Luciano Cardellicchio
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  Session 10: Men and Materials
FITZPATRICK HALL  BOWETT ROOM

Beatrice Lampariello
Cells and Épines-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

Karen 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  Session 12: Twentieth century
FITZPATRICK HALL  BOWETT ROOM

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

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
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