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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**
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 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.

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

Luciano Cardellicchio

The Italian engineering contribution in the technical development of the new Hertziana Library by Juan Navarro Baldeweg

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 Hawles

After Reyner Banham

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 8 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
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| Session 7: | Roofs
FITZPATRICK HALL | Session 8: Churches
BOWETT ROOM |
|------------|----------------------------------|---|
- 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
- Ming Shan Ng and James W. P. Campbell**
The Unpublished Carpentry Archives of Cecil Hewett (1926-1998): a survey of his letters and drawings in the Essex Record Office in Chelmsford
- Mónica López Piquer and Josep Lluís 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.
- 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: **Military 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 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)

COACH TRIP (To be confirmed)

10.00 Coach Departs Queens'