

# CHS

# THE CONSTRUCTION HISTORY SOCIETY

## NINTH ANNUAL CONFERENCE & AGM

# Programme



Special Theme: Timber in Building Construction

1-2 April 2022

QUEENS' COLLEGE, CAMBRIDGE

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

**Friday 1 April**  
**DAY ONE**

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09.00 REGISTRATION DESK OPEN FOR NEW ARRIVALS

9.15-9.30 WELCOME

9.30-11.00 Session 1: **Timber Roofs**

FITZPATRICK HALL

SESSION CHAIR: DAVID YEOMANS

Register in advance for this webinar: <https://bit.ly/Session1Timber>

Meeting ID: 969 2552 0137 Passcode: 11111

**K. Russnaik**

*Timber Roof Structures of 19th-century Casinos in Switzerland*

**S. Kuban**

*The Livestock Auction Hall in Riedlingen – Regional Timber Construction in the 1930s in the South-West of Germany*

**L. Romano, M. Falcone**

*Wooden vaults in Naples between survey and construction knowledge: the case of the church of Santa Maria Egiziaca all'Olmo*

11.00 - 11.15 BREAK                      Tea, Coffee, and Biscuits served in the Bar

11.15-12.45 Session 2: **Timber Construction**

FITZPATRICK HALL

SESSION CHAIR: JAMES CAMPBELL

Register in advance for this webinar: <https://bit.ly/Session2Timber>

Meeting ID: 962 2876 3707 Passcode: 11111

**J. Jacobs**

*Pugin's role as Superintendent of Woodcarving*

**E. Ferreira Crevels**

*A Joint of Many Worlds: Entangled Stories in Battaile en Ibens's 78+ Construction System in Timber*

**C. Knobling**

*From model to reality – a case study on the timber bridge of Baden (CH)*

12.45-1.30 LUNCH                      CAFETERIA LUNCH      Cripps Dining Hall

1.30-2.30 **KEYNOTE ADDRESS**

FITZPATRICK HALL

Register in advance for this webinar: <https://bit.ly/Keynote1DY>

Meeting ID: 957 8550 1461 Passcode: 11111

**David Yeomans**

*Tudor King Post Roofs*

2.30- 4.30    **Session 3: Concrete**  
FITZPATRICK HALL  
SESSION CHAIR: DAVID YEOMANS

Register in advance for this webinar:  
<https://bit.ly/3Concrete>  
Meeting ID: 992 4052 3921 Passcode: 11111

**L. Greco, F. Spada**  
*The Palazzo Galbani by Eugenio and Ermenegildo  
Soncini and Pier Luigi Nervi (1956-59). A case of  
building prefabrication in Milan*

**N. von Behr**  
*The patent war between François Hennebique and  
Armand Considère: competing reinforced concrete  
systems in 'fin de Belle Époque' France*

**J. Burchardt**  
*Systems for Standardised Precast Concrete  
Elements: The Case of the Larsen & Nielsen  
System*

**V. Korensky**  
*Early Reinforced Concrete Shells in Russia*

4.30- 5.30    **Session 5: Vaults and Vaulting**  
FITZPATRICK HALL  
SESSION CHAIR: SANTIAGO HUERTA  
Register in advance for this webinar: <https://bit.ly/5Vaults>  
Meeting ID: 920 4685 1683 Passcode: 11111

**S. Nazari and A. Mahmoudnejad**  
*Documentation and Analysis of The Free-Handed Vaulting Technique at The Toor Caravanserai, Iran*

**R. Schmitt**  
*Geometric design and construction of a Late Baroque brick vault: Kilian Ignaz Dientzenbofer's  
Benedictine Church of the Holy Cross and St. Hedwig at Legnickie Pole*

5.30- 6.00    BREAK    Glass of Wine in Bar

**Session 4: Water**  
ANGEVIN ROOM  
SESSION CHAIR: MICHAEL HEATON

Register in advance for this webinar:  
<https://bit.ly/CHS22meeting>  
Meeting ID: 839 6444 5155 Passcode: 961360

**L. Song, J. Campbell**  
*The Depiction of Water Technology in Ramelli's  
Le Diverse et Artificiose Machine and Its  
Influence on Engineering Treatises in China in  
the 17th Century*

**R. Mair**  
*The Renovation of the Waterworks at the Rotes  
Tor in Augsburg by the Well Master Caspar  
Walter*

**B. Hays**  
*Water for the University: An Early History of  
the University of Virginia's Water supply,  
1817-1885*

6.00- 7.30      **Session 6: Vaults and Vaulting II**  
FITZPATRICK HALL  
SESSION CHAIR: SANTIAGO HUERTA  
Register in advance for this webinar: <https://bit.ly/6Vaults>  
Meeting ID: 996 5140 5312 Passcode: 11111

**D. Wendland, M. Gielen**

*The Design and Construction of the Vaults in Notre-Dame in Paris and the Development of Medieval Vaulting and Stereotomy: Surveys, Analyses and Experiments*

**R. Maira-Vidal**

*English Master Builders in The Iberian Peninsula in The 13th Century: The Construction of The Sexpartite Vaults of Lincoln Cathedral and Their Influence on The Monastery of Las Huelgas Reales in Burgos*

**J. Lengenfeld**

*The complex masonry of the Schönburg Castle Keep chimney system (1201 CE) in the context of contemporary examples*

**Saturday 2 April**  
**DAY TWO**

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09.00-9.15      ARRIVAL & REGISTRATION      SECOND DAY

9.15              WELCOME

9.30-11.00      **Session 7: The 20<sup>th</sup> Century Belgium**  
FITZPATRICK HALL  
SESSION CHAIR: NINA BAKER  
Register in advance for this webinar:  
<https://bit.ly/7Belgium>  
Meeting ID: 990 0897 9063 Passcode: 11111

**Session 8: The 20<sup>th</sup> Century Eastern Europe**  
ANGEVIN ROOM  
SESSION CHAIR: JAMES CAMPBELL  
Register in advance for this webinar:  
<https://bit.ly/CHS22meeting>  
Meeting ID: 839 6444 5155 Passcode: 961360

**L. Reyniers, S. Van de Voorde, I. Wouters**  
*Capturing the Practice of Deconstruction in Brussels (1903 – 1939): Photographic Heritage Collections as A Starting Point for Construction History*

**K. Frommelt**  
*Algorithm or experience – The search for objective design methods for serial structures in the GDR*

**J. Angillis, I. Bertels**  
*Voices from the Post-War Belgian Building Industry: A Study of a General Contractor and its Involvement in Building Practices via Oral History*

**V. Ladinkski**  
*Contribution of Early Women Architects in North Macedonia*

**M. Parein, I. Wouters, S. Van de Voorde**  
*Fibre Cement Slates: An Industry Reinventing Itself (1970-2000)*

11.00 - 11.15 BREAK      *Tea, Coffee, and Biscuits served in the Bar*

11.15-12.45 Session 9: **Timber Construction and Supply**

FITZPATRICK HALL

SESSION CHAIR: JAMES CAMPBELL

Register in advance for this webinar: <https://bit.ly/9Timber>

Meeting ID: 953 7988 1405 Passcode: 11111

**M. Gantner**

*Innovation and Tradition: 'Signature' roof constructions and master builder's networks in the late eighteenth and early nineteenth centuries in the catholic regions of central, northern and eastern Switzerland*

**M. Diaz, L. Vandenabeele**

*The eighteenth-century timber trade towards the Basilica of St Anthony in Padua through archives, shipping marks and dendrochronology*

**L. Prosser**

*Some Experimental Trussed Floors at Kensington Palace, London*

12.45-1.45 LUNCH. *Cripps Dining Hall*

1.45-2.00 ANNUAL GENERAL MEETING

By link sent to members by email

2.00-3.00 **KEYNOTE ADDRESS**

FITZPATRICK HALL

Register in advance for this webinar: <https://bit.ly/Keynote2SH>

Meeting ID: 915 5932 8659 Passcode: 11111

**Prof Stefan Holzer**

*How to erect a large timber roof truss*

3.00-3.30 BREAK      *Tea, Coffee, and Biscuits served in the Bar*

3.30-5.00

Session 10: **Bridges and Canals**

FITZPATRICK HALL

SESSION CHAIR: MIKE DRIVER

Register in advance for this webinar:

<https://bit.ly/10Bridges>

Meeting ID: 966 6166 6386 Passcode: 11111

**G. M. Prisco**

*Iron bridges and the influence of international models in 19th century Spanish architecture*

**M. Maissen**

*Early Iron Bridges in Switzerland 1850-1875: A Primer*

**M. Chrimes**

*Thomas Telford and the construction of Canal Tunnels 1794-1830*

Session 11: **Twentieth Century Construction**

ANGEVIN ROOM

SESSION CHAIR: WILL MCLEAN

Register in advance for this webinar:

<https://bit.ly/CHS22meeting>

Meeting ID: 839 6444 5155 Passcode: 961360

**B. Schmid and C. Weber**

*From physical to digital – the form-finding and measuring models of the Mannheim Multihalle*

**H. Franz, M. Rinke, E. Lepretre and L. Dieng**

*The gap between theory, practice and regulations in design criteria for iron and steel structures in 19th century France: the example of train sheds*

**G. Marfella**

*Alfred Picardi and the Tubular Structure of Chicago's Standard Oil Building: Engineering for Holistic Efficiency*

5.00-5.15

BREAK     Tea, Coffee, and Biscuits served in the Bar

5.15-6.45

Session 12: **Studies in Timber**

FITZPATRICK HALL

SESSION CHAIR: DAVID YEOMANS

Register in advance for this webinar:

<https://bit.ly/12Timber>

Meeting ID: 952 2488 7672 Passcode: 11111

Session 13: **Building Manuals**

ANGEVIN ROOM

SESSION CHAIR: JAMES CAMPBELL

Register in advance for this webinar:

<https://bit.ly/CHS22meeting>

Meeting ID: 839 6444 5155 Passcode: 961360

**L. Vandenaabeele**

*The Paduan ties of Poleni*

**N. Bill**

*From Carpentry Manuals to Engineering Textbooks (1792 – 1870)*

**R. Haddadi, M. Rinke**

*National, traditional, scientific – the formation of a multifaceted early glulam identity*

**S. Melsens, C. Sahasrabudhe**

*Technical Writings as Political: Building Manuals and Pattern Books From British India (1880-1947)*

**M. Motta**

*The Wood Sector and the King's Works. A Different Perspective for the Study of 18th Century Royal Construction Sites in the Kingdom of Sardinia*

**R. Lucente, G. Canestrino**

*Technical manuals in the years of Reconstruction after World War II in Italy: Mario Ridolfi and the "Manuale dell'Architetto".*

7.00-7.30

**DRINKS IN THE OLD KITCHENS**

[FOR THOSE THAT HAVE BOOKED DINNER]

7.30

**GALA DINNER IN OLD HALL**

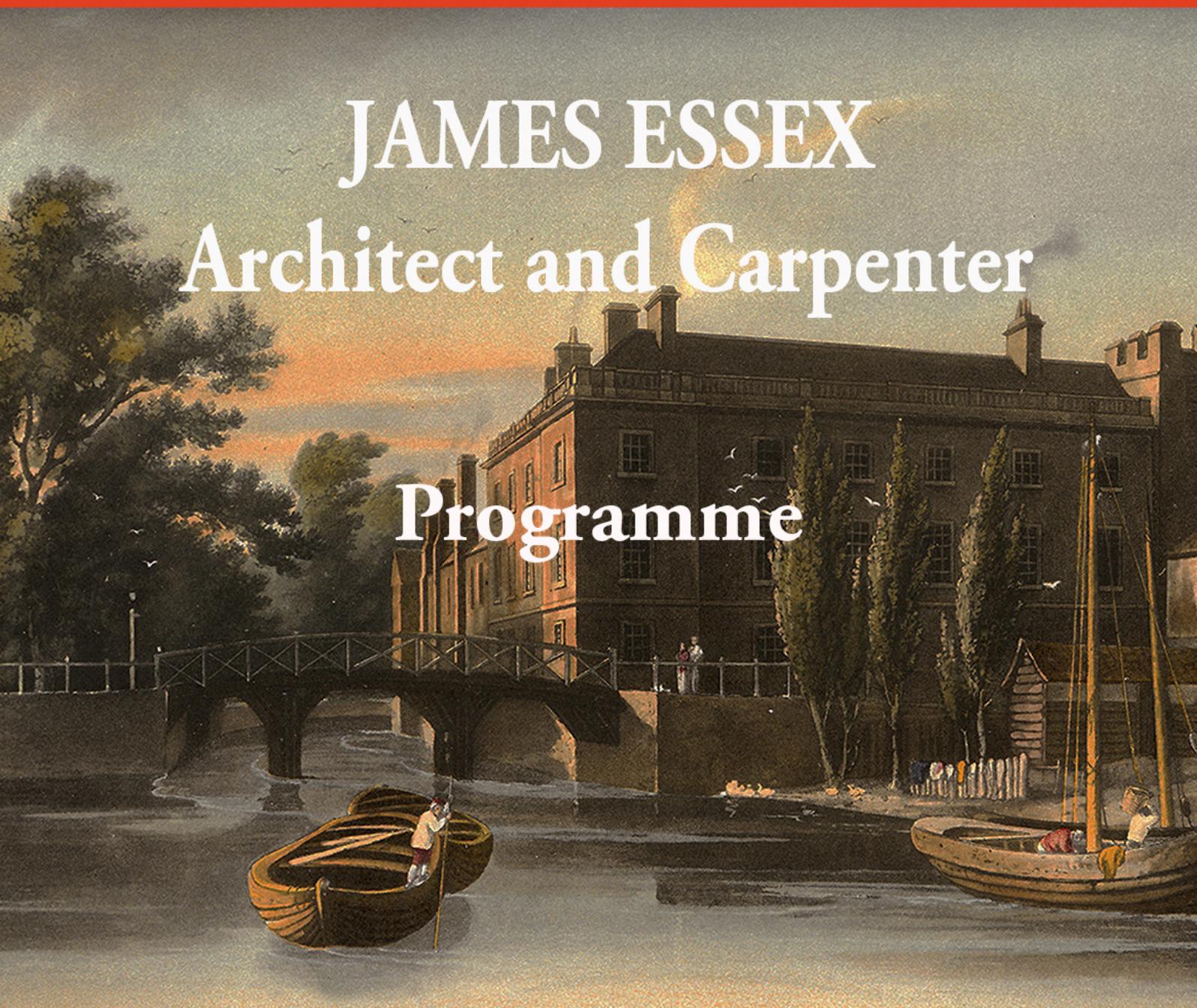
[FOR THOSE THAT HAVE BOOKED DINNER]

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# THE CONSTRUCTION HISTORY SOCIETY

## JAMES ESSEX Architect and Carpenter

### Programme



Sunday 3 April 2022

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**Sunday 3 April**  
**DAY THREE**

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[9.00 SCR - Breakfast Meeting of the Committee of the International Federation of Construction History]

**ONE-DAY CONFERENCE**

**JAMES ESSEX (1722-1784) Architect and Carpenter**

Organised by James Campbell, Santiago Huerta and Alex Buchanan

**Fitzpatrick Hall**

- 10.00 Registration and tea
- 10.30 Life of James Essex - Dominique Lazanski (live streamed)
- 11.00 Classicising Cambridge - James Campbell
- 11.30 Essex's work on Vaults and Structural Engineering -Santiago Huerta
- Lunch in the Cripps Dining Hall*
- 2.00 Essex and Carpentry: Lincoln and Ely- David Yeomans
- 2.30 Essex and Cathedral Archaeology Alex Buchanan
- 3.00 *Tea and coffee in the Bar*
- 3.30 Queens' Mathematical Bridge - Jacques Heyman
- 4.00. Essex and Strawberry Hill - Claudia Marx
- 4.30 Final thoughts and farewell – James Campbell and David Yeomans

**Visit**

To be confirmed