



Conference Programme

**Tenth Annual Conference of the
Construction History Society**

***Queens' College, Cambridge
12-13 April 2023***

Wednesday 12 April
DAY ONE

09.00-9.15 ARRIVAL & REGISTRATION

9.15 FITZPATRICK HALL : WELCOME

9.30 -11.00 **Session 1: Materials**
FITZPATRICK HALL
SESSION CHAIR: JAMES CAMPBELL
<https://bit.ly/10CHS-1> Passcode 090404

Nigel Isaacs (virtual)
Building Paper 1868 to 1884: a growing child

Benjamin Schmid, Christiane Weber
New Materials for Model Analysis of Engineering Structures – Micro-concrete versus Acrylic Plastic

Mauro Volpiano
Building in industrialising Italy. Decorative cement and artificial stone in the constructions of Enrico Petiti (1832-1898)

11.00 - 11.30 BREAK *Tea, Coffee, and Biscuits served in the Bar*

11.30-1.00 **Session 2: Medieval Vaults**
FITZPATRICK HALL
SESSION CHAIR: SANTIAGO HUERTA
[HTTPS://BIT.LY/10CHS-2](https://bit.ly/10CHS-2)
Passcode 257613

Clemens Knobling
Building a vault on an unusual layout: the gothic church of Greifensee (CH)

Silvia Beltramo
Pointed arches and ribs in the cross vaults of twelfth and thirteenth century religious buildings in northwest Italy

David Wendland, Mark Gielen
Some considerations on the early development of cross vaults and rib vaults in medieval architecture)

Session 3: Codes and Professions
ANGEVIN ROOM
SESSION CHAIR: ROBERT CARVAIS
<https://bit.ly/10-CHS-3>
Passcode 244025

Laurens Bulckaen, Rika Devos
The Belgian Architects' Act of 1939: turning point or gradual shift? Professional discussions and legal framework affecting the historical collaborative efforts of the building professionals.

Nicholas A. Bill
British Military Engineering Publications and the Transfer of Construction Technology: 1812 – 1914

Nigel Isaacs, Andre Brown (virtual)
The Odious and Vexatious History of Building Code Requirements for Openable Windows

1.00-2.00 LUNCH. *Cripps Dining Hall*

2.00-3.00 **KEYNOTE ADDRESS**
FITZPATRICK HALL
[HTTPS://BIT.LY/10CHS-KEYNOTE](https://bit.ly/10CHS-KEYNOTE) Passcode 043453

Professor Tom Peters

The Role of Vicat's Concrete in the Development of Foundation Technology:
Innovation as the Coordination of Accumulated Information

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

3.30-4.30

Session 4: **Roman Vaults**

FITZPATRICK HALL
SESSION CHAIR: MICHAEL HEATON
[HTTPS://BIT.LY/10CHS-4](https://bit.ly/10CHS-4)
Passcode 580320

**Luise Albrecht and Marina
Döring-Williams**

*Roman Concrete Groin Vaults: Design and
Construction Principles, Formwork and
Falsework for the so-called Cenotaph of
Annia Regilla, Rome*

Carla Maria Amici

*Opus Caementicium in the Roman Age
[4th/3rd Century BC – 4th/5th Century
AD]: a Revolution in Building Techniques*

Session 5: **Environmental Design**

ANGEVIN ROOM
SESSION CHAIR: FIONA SMYTH
<https://bit.ly/10-CHS-5>
Password 111936

Mathumitha Madalena Rohan

*The changes in architectural design: adoption of environmental
innovations for comfort and conservation. Case Study:
Canterbury Cathedral's Heating System Retrofit, 1942-48.*

Taban Shirani, Henrik Schoenefeldt

*Lighting Design of Semi-permanent Building for the 1862
International Exhibition*

Fatemeh Nikzare

*Investigating on history of mechanical air-conditioning in British
Art Galleries. A case study on technological adaptation at the
National Gallery, 1920 to 1956*

4.30-4.45

BREAK Tea, Coffee, and Biscuits served in the Bar

4.45-6.45

Session 6: **Contractors**

FITZPATRICK HALL
SESSION CHAIR: NINA BAKER
[HTTPS://BIT.LY/10CHS-6](https://bit.ly/10CHS-6)
Passcode 343804

Matthijs Degraeve

*Transient or resilient? Long-term change in
firm longevity in the construction sector
(Brussels, 1830-1970)*

Tian Zhang

*The Modernisation of the Constructors: A
Study of the Transformation of Construction
Company Guilds in Shanghai 1843-1949*

**Jelle Angillis, Stephanie van de
Voorde**

*Building a profile? Belgian general contractor
Van Coillie and its construction activities in
the 1960s*

Johan Lagae, Robby Fivez

*Tracing Mobutu's Spectre in Kinshasa's
Concrete Skyline through a builder's archive:
the case of the Ministry of Foreign Affairs*

Session 7: **Transmission of Technology**

ANGEVIN ROOM
SESSION CHAIR: NICHOLAS BILL
<https://bit.ly/10-CHS-7>
Passcode 199011

Kylie M. Russnaik and Jasmin Schäfer

*Leonhard Zeugheer and his English-inspired roof structures in
Zurich*

Mariana Esponda, Catherine McBain

*Laying The Foundation: The Use and Evolution of Concrete as
Ottawa's Primary Building Material*

Vladimir Ladinski

*The UK Contribution to the Post 1963 Skopje Earthquake
Recovery and Reconstruction*

Vladimir Korensky

*Contribution of Europeans to the Further Development of
Reinforced Concrete in the Russian Tsarist Empire*

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]

1.45 -3.15

Session 12: Timber

FITZPATRICK HALL

SESSION CHAIR: DAVID YEOMANS

[HTTPS://BIT.LY/10CHS-12](https://bit.ly/10CHS-12)

Passcode 027833

Jonas Lengenfeld

Some points on the construction of high medieval slewing cranes in towers in Germany based on Building archaeology and a new find from the early 13th century

Nicoletta Marconi, Ilaria Giannetti

The revolving scaffolding for the restoration of the Pantheon dome (Giovanni Corsini, 1756). Historical survey, virtual and physical models

Valentina Burgassi

Floor construction techniques at the Savoy court in the 17th and 18th centuries with a focus on craftsmen and manufacture of wooden floors

3.15- 3.30

BREAK Tea, Coffee, and Biscuits served in the Bar

3.30-4.30

International Symposium

Reports from International Societies of their Activities

<https://bit.ly/10CHS-symposium> Passcode 399809

4.30 -6.00

Session 14: Steel

ANGEVIN ROOM

SESSION CHAIR: NINA BAKER

<https://bit.ly/10CHS-14>

Passcode 858142

Ankathrin Heinrich, Volker Mende, Sebastian Hoyer, Klaus Thiele

Material Lightness in Steel Building Construction: Lightweight Construction in the GDR - Aerated Concrete

Marc-Allan Wery-Maury (virtual)

The evolution of the construction principles of microwave towers between 1949 and 1984: Comparative study of the French and British contexts

Hubert Un, Zeng Chuqing, Huang Zhanlin, Xia Heng (virtual)

Tectonic Study of the Diverse Tie-rod Arch Systems in South PRC (1960-1970s)

Session 13: Concrete and Cement

ANGEVIN ROOM

SESSION CHAIR: MICHAEL HEATON

<http://bit.ly/3KqNi9D>

Passcode: 284773

Stephanie Van de Voorde, Christine Wall

Fast, cheap and durable; the use of monolithic no-fines concrete for housebuilding in the UK and Belgium 1920-1975

Maria Cristina Loi, Vittorio Paris, Monica Resmini

From Italy to Ethiopia: in search of the perfect cement

Tom Packet (virtual)

Concrete proposals: the reception of Thomas A. Edison's monolithic concrete house and discussions on mass-produced housing for the working classes in pre-war Belgium, 1911-1913

Session 15: Bridges

ANGEVIN ROOM

SESSION CHAIR: NICHOLAS BILL

<http://bit.ly/3MvAQrN>

Passcode: 488365

Jørgen Burchardt, Steffen Elmer Jørgensen

Transferring bridge and road construction technology in the late 1700s: French engineer Jean Marmillod as an innovator in Denmark

Yichuan Chen

From industrialised prefabrication to 'mobilising the masses': Soviet influence and the dissemination of prefabricated concrete bridges in China, 1957-1966

6.00-7.00 **Session 16: Brick and stone**
FITZPATRICK HALL
SESSION CHAIR: JAMES CAMPBELL
[HTTPS://BIT.LY/10CHS-16](https://bit.ly/10CHS-16)
Passcode 118296

Valentina Guagliardi

Nineteenth-century architecture and building traditions in the territory of Cosenza: the ancient village of “Sivana Mansio”

Louis Vandenaabeele, Clemens Voigts, Marius Pfister, Stefan M. Holzer

Deciphering 800 years of brick history at the Basilica of St Anthony in Padua: production, finishing and bonds

7.00 **David Yeomans and James Campbell**
CLOSING REMARKS

End of Conference

(Please note: no evening meal is provided on this day).