

Friday 26 September
DAY ONE

09.00-9.15
9.15-9.30
9.30-11.00

ARRIVAL & REGISTRATION
WELCOME
Session 1: **Rules, Tools and Machines**
FITZPATRICK HALL
SESSION CHAIR: TBC

Andrew Rabeneck
Hand Power Tools – an Invisible Revolution

Miao Li, James WP Campbell
Four Books, One System: Evolution of Labour Management in the Bureaucratic Rules and Standards Relating to Building Construction in China (Pre-Qin to Qing Dynasties)

David Yeomans
Naming of Parts

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

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| 11.15 -12.45 | Session 2: Technology FITZPATRICK HAL SESSION CHAIR: TBC | Session 3: Twentieth Century ANGEVIN ROOM SESSION CHAIR: TBC |
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Benjamin Schmid, Baris Wenzel, Christiane Weber
Success and Failure in the Early Development of Specialised Computer Programs for the Construction Industry

Rosa Maria Marta Caruso
"Future airports will float on water": the Foulness airport project (1968-1974) from an Italian perspective

Lorenzo Renzullo
The development of the Mock-up in Italian architecture from the early 20th century: the Legacy of Architects Carlo Mollino and Pierluigi Spadolini

Luca Guardigli, Francesco Conserva, Giulia Balocco
Constructing under the regime in the early 1930s: navigating the intersection of party rhetoric, architectural traditionalism, and technological advancement. The Colonia Bolognese located in Rimini

Christoph Palmen
The spoked wheel revolution - 200 years of tensile structures

12.45-1.30 *LUNCH* *Cripps Dining Hall*

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| 1.30-2.30 | Session 4: Sources FITZPATRICK HAL SESSION CHAIR: TBC | Session 5: Brick Walls and Openings ANGEVIN ROOM SESSION CHAIR: TBC |
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Eric Ferreira Crevels
Towards a historiography of hearsay: uncovering the construction sites of Skopje 2014 through oral history

Sara Wermiel
Introduction of arched window openings in New England's nineteenth-century textile factories

Chiara Kuijpers, Sven Sterken, Stephanie Van de Voorde
Ways of Building, Ways of Seeing: Two Churches under Construction

Kristina Herresthal
Simple Matters. Simple historical constructions as found in the typology of the German Kleinwohnhaus

2.30-4.30

Session 6: Concrete and Prefabrication

FITZPATRICK HALL

SESSION CHAIR: TBC

Laura Greco, Stefania Mornati, Francesco Spada

Global design and prefabrication in the Barilla manufacturing complex in Pedrignano by Giuseppe Valtolina and Carlo Rusconi Clerici (1968-70)

Jonatan Anders

Prefabricated vs. in-situ concrete: A race for innovation in West Germany from 1950 to 1980

Maria Vitale, Dimitris Theodossopoulos

The new concrete roofs in major French churches after WW1 destruction, from patents to innovative practice

Sarah M. Schlachetzki, Nina Irmert, Tiago Matthes, Silke Langenberg

The Machine Laboratory at the Swiss Federal Institute of Technology: A Diachronic Study of Patents and Innovation

4.30-4.45

BREAK

Tea, Coffee, and Biscuits served in the Bar

4.45-6.45

Session 8: Safety, Regulation, and Labour

FITZPATRICK HALL

SESSION CHAIR: TBC

Alexandrina Buchanan

Innovations in Scaffolding: Speed, Strength and Safety?

Louis Debersaques, Dave De ruysscher, Stephanie Van de Voorde

Regulating Risks: The Evolution of Safety Laws in the Belgian Construction Sector (1888-1905)

Laurence Heindryckx, Rika Devos, Stephanie Van de Voorde

From Labour to Logistics: Amelincx and the Art of Planning

Jørgen Burchardt

Standards for Elevators: The Technological and Institutional Breakthrough in the 20th Century

Session 7: Innovation and Tradition

ANGEVIN ROOM

SESSION CHAIR: TBC

Lia Romano

Lapillus, Pumice and Lime. The Neapolitan lastrico Technique in French Architectural Literature (18th-19th Century)

Yushu Liang

Weaving a History of Construction: Vernacular Typology and Building Techniques of Mongolian Woven-Grass Shelters in the Badain Jaran Desert before the 20th Century

Sebastian Hoyer

Lime-Sand Brick – an Innovative Material with an Unknown Tradition and Distribution in Germany

Vincent Vanhamme, Emma Bekaert, Merlijn Hurx

Innovation Through Interaction: Foundation-Laying Practices for Marshy Grounds in Holland and Venice 1550-1650

Session 9: Knowledge Exchange

FITZPATRICK HALL

SESSION CHAIR: TBC

Vladimir Ladinski

The Rise and the Demise of the Construction Industry in Former Yugoslavia

Olga Konovalova, Giulia Boller

Robert Maillart's Factory Projects in Eastern Europe (1913-16): Technical and Cultural Exchanges between Switzerland, Latvia, and Ukraine

Maria Cristina Loi, Monica Resmini

Italian Artists and Craftsmen in North America (Late 18th-19th Century)

Saturday 27 September
DAY TWO

09.00-9.15 REGISTRATION DESK OPEN FOR NEW ARRIVALS

9.15-9.30 WELCOME

9.30-11.00 Session 10: **Water**
FITZPATRICK HALL
SESSION CHAIR: TBC

Valentina Burgassi, Sara Taglialagamba

Leonardo and the Mills. Hydraulic Prototypes and Construction Techniques between Innovation and Tradition

Ali T. Dinani

How to Dig a Tunnel: From Thames Tunnel to Hudson Tube

Solmaz Sadeghi

Infrastructure as an Engine: Bridge Waterworks Construction in London and Paris

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

11.15-12.45 Session 11: **Cathedrals and Vaults**
FITZPATRICK HALL
SESSION CHAIR: TBC

**René Heusler, Iris Pfeiffer,
Christiane Weber**

The restoration of the foundations of the north tower of Strasbourg Cathedral - A highly complex construction project

**Rocío Maira Vidal, Alexandrina
Buchanan, Nicholas Webb**
Innovation and knowledge transfer at Durham Cathedral: the high vaults of the transepts and nave

Raphaël Vouilloz, Philippe Marin
Geometric Issues in the Fabrication of Stereotomy: Two Historical Methods for Dressing a Helicoidal Vault as Described by Delorme, Jousse, Derand, de La Rue, and Frézier

Session 12: **Railway and Bridges**
ANGEVIN ROOM
SESSION CHAIR: TBC

George M. Croitoru, Ciresica Micu-Croitoru

The “King Carol I” railway bridge over the Danube from Cernavoda, Romania: 130 years since construction

Laura Carmona-López
The Pont Vieux of Montauban: a study of its building fabric and construction

Grazia Cione
The transformation of high-arch stone bridges: How the eighteenth and nineteenth century reshaped ‘medieval’ bridges

12.45-1.30 LUNCH *Cripps Dining Hall*

1.45-2.00 Annual General Meeting (AGM)
FITZPATRICK HALL

2.00-3.00 **Santiago Huerta and others**
Tribute to Jacques Heyman
FITZPATRICK HALL

3.00-3.15 BREAK *Tea, Coffee, and Biscuits served in the Bar*

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| 3.15-5.15 | <p>Session 13: Iron and Steel FITZPATRICK HALL SESSION CHAIR: TBC</p> <p>Liliana Ninarello <i>The industrial metal structural system in modern architecture in Rome: the projects of Raffaele Canevari</i></p> <p>Ine Wouters, Lara Reyniers, Stephanie Van de Voorde <i>Reuse and Recycle. Changing Actors and Material Practices of Brussels' Iron Scrap Trade (1880-1950)</i></p> <p>Lynn Pearson <i>Liverpool's two Windsor Iron Works and the development of iron church construction, 1860s–1890s</i></p> <p>Tom Packet <i>Trained in the USA: the Americanisation of Belgian architecture from an engineer's point of view (1920-1940)</i></p> | <p>Session 14: Brick, Marble and Terracotta ANGEVIN ROOM SESSION CHAIR: TBC</p> <p>Julian Bauch <i>Innovative Construction with Terracotta Components in Pompeian 2nd Century BCE Public Building and its Reflections in Domestic Architecture</i></p> <p>Wen Huang, Jiang Feng <i>Domes Supported by Dougongs, Beams, and Columns: Structural Innovation of the Vault-Trabeated System in the Centralised Cruciform Plan, the Chengdu Plain, China, 10th-13th Centuries</i></p> <p>Fei Cheng, Dong Xiao, Yinan Yu, Zhizhao Li, Liang Ma, Qian Gao <i>Analysis of the Innovation of Brick Arch Technology in the Construction of Chambered Towers of the Great Wall of China in Ming Dynasty</i></p> <p>Caterina Cardamone, Pieter Martens <i>Black Marbles in Renaissance Florence</i></p> |
| 5.15-5.30 | <p>BREAK <i>Tea, Coffee, and Biscuits served in the Bar</i></p> | |
| 5.30-6.30 | <p>KEYNOTE ADDRESS FITZPATRICK HALL</p> <p style="text-align: center;">Professor Thomas Leslie <i>Concrete City: Chicago's Role in 20th Century Concrete High-Rise Design</i></p> | |
| 7.00 | <p>DRINKS IN THE OLD KITCHENS [FOR THOSE THAT HAVE BOOKED DINNER]</p> | |
| 7.30 | <p>GALA DINNER IN OLD HALL [FOR THOSE THAT HAVE BOOKED DINNER]</p> | |