



Research Training Group 1913
 »Cultural and Technological Significance of Historic Buildings«

The Art of Vaulting

Design and Construction of Large Vaults in the Mediterranean Gothic

International Symposium
 Cottbus, 30.11.-1.12.2017

Organisation:
 Dr. Paula Fuentes paula.fuentesgonzalez@b-tu.de
 Dr. phil. Anke Wunderwald anke.wunderwald@b-tu.de
 BTU Cottbus-Senftenberg
 DFG-Graduiertenkolleg 1913 »Kulturelle und technische Werte historischer Bauten«

Presentations will be in English. Attendance is free of charge.
 Pre-registration until 25th November 2017 at: albrecht.wiesener@b-tu.de

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The Art of Vaulting

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in the Mediterranean Gothic

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Some of the most impressive achievements in Gothic construction were erected in the Mediterranean area. Partially influenced by Roman architecture and mixed with the new concepts of the French Gothic style, they appeared as the result of several centuries of technical progress, representing an important example of technology transfer in combination with contemporaneous transformations.

This is the context, against which outstanding buildings were built, featuring some of the highest and widest vaults raised in the Middle Ages.

Despite analysing these buildings from a stylistic point of view, we still know little about historical sources, structural behaviour and building techniques.

This Symposium will bring together international experts on this topic. Their varied backgrounds will provide different approaches to finding and answering unexplored questions. Presenting some examples, such as the cathedral of Mallorca, the complex processes of medieval construction and the transfer of technology will be discussed, broadening our knowledge of how these impressive monuments were built as well as the construction techniques that were employed.

Thursday 30th November 2017

Brandenburgisches Landesmuseum für moderne Kunst, »dkw«
Großer Veranstaltungsraum
Uferstraße / Am Amtsteich 15, 03046 Cottbus

19:00

Wider, Lighter, Faster. Building Vaults in the Medieval
Mediterranean Countries

Arturo Zaragozá Catalán (Real Academia de Bellas Artes de
San Carlos de Valencia) & Fernando Vegas López-Manzanares
(Universitat Politècnica de València)

The lecture will be followed by an informal reception.



Friday 1st December 2017

Besucherzentrum auf dem Gutshof Branitz
Kleiner Veranstaltungssaal
Robinienweg 5, 03042 Cottbus

9:30

Welcome address

Klaus Rheidt (BTU Cottbus-Senftenberg)

9:45

How to Design and Build Complex Rib Vaults from A to Z:
Principles, Practices, and the Geometric Processors Used in
the International Late Gothic

David Wendland (TU Dresden)

10:30

Vaulting with Clay Jars (10th–15th c.): Antique Traditions and
Further Uses

Jean Michel Poisson (Université Lyon)

11:15 Coffee break

11:30

Reflection on Design Details of Gothic Vaults in Joseph
Gelabert's Manuscript

Enrique Rabasa Díaz (Universidad Politécnica de Madrid)

12:15

Mediterranean Paths: The Construction of Vaults in
Southern Italy, Sicily and Sardinia (15th–16th c.)

Marco Rosario Nobile & Emanuela Garofalo (Università degli
Studi di Palermo)

13:00 Lunch in the Cavalierhaus

14:30

The Vaults of Mallorca Cathedral: Rising to a Technical
Challenge

Paula Fuentes & Anke Wunderwald (BTU Cottbus-Senftenberg)

15:15

Construction Analysis of Particular Gothic Vaults in the
Cathedral of Mallorca

Guillermo Reynés (Catedral de Mallorca)

16:00 Coffee break

16:15

Mechanics and Equilibrium of the Cathedral of Mallorca

Santiago Huerta Fernández (Universidad Politécnica de Madrid)

17:00

Closing discussion

ADDRESSES

Hotel Sorat

Schlosskirchplatz 2
03046 Cottbus

Phone +49 (0)355-78440

Email cottbus@sorat-hotels.com

Lunch, 1st Dec 2017, 13:00

Restaurant Cavalierhaus

Zum Kavalierhaus 9
03042 Cottbus
(within the Branitz Park)

Dinner, 1st Dec 2017, 19:30

Restaurant Esscobar

Schloßkirchplatz 1
03046 Cottbus
(close to the Hotel Sorat)

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