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Seventh International Congress on Construction History



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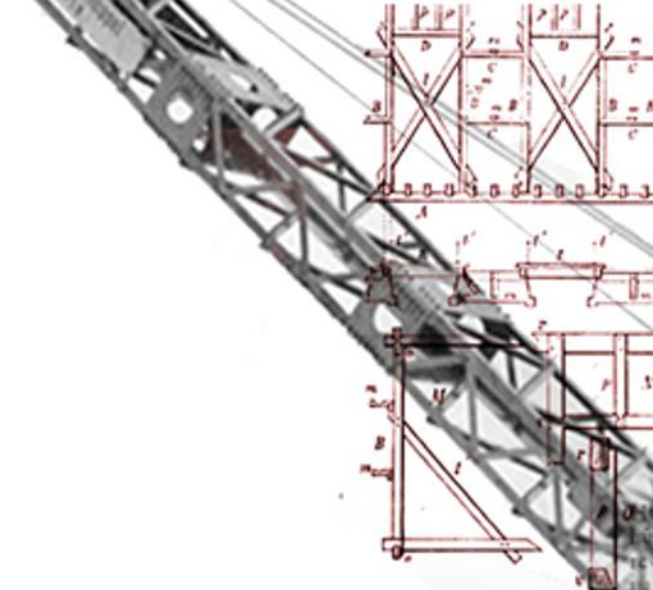
Function: Professor of Construction History

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CV: Since 2019 Professor of Construction History, Brandenburgische Technische Universität Cottbus (Germany); 2016-2017 ERC Proof of Concept Grant “Late Gothic vaults and their complex stone members: Recovering historical design procedures, implementing knowledge in restoration practice”; 2012-2017 ERC Starting Grant “Design Principles in Late Gothic Vault Construction - A New Approach Based on Surveys, Reverse Geometric Engineering and Reinterpretation of the Sources”; 2009-2013 TU Dresden, Department of Art History: DFG research project “Shape, Design and Construction Principles of the Late-Gothic Cell Vaults: ‘reverse engineering’ and experimental



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archaeology”; 2007 Doctorate at the University of Stuttgart, Institute of History of Architecture, Thesis "Lassaulx und der Gewölbebau mit selbsttragenden Mauerschichten. Neumittelalterliche Architektur um 1825-1848". Free-lance activity: ‘Bauforschung’, vaults and shell structures. Scientific consultancy for the reconstruction of the late Gothic vault in the Chapel of Dresden Castle (2011-13); experimental reconstruction of Late Gothic “Diamond Vaults” in collaboration with a school for restoration and historical craftsmanship; surveys and geometrical analyses of vaults; Free-Form shell structure in masonry at the TU Dresden (2006). Membership: Koldewey-Gesellschaft; Gesellschaft für Bautechnikgeschichte; Sociedad Española de Historia de la Construcción. Research interests: Construction History: Vaults and shell structures, Stereotomy, history of applied mechanics and geometry, complex shapes in architecture, design processes.

Website: <https://www.b-tu.de/fg-bautechnikgeschichte/team/leitung>

