

# MASTER CLASS 1

## FREDERIK VANDYCK

### Building Brussels Baukultur

Frederik Vandyck recently defended his joint PhD at VUB (dpt. of Architectural Engineering) and UA (faculty of Design Sciences). Embedded in the Interdisciplinary Research Project 'Building Brussels', he examined the historical patrimony and the spatial and locational strategies of small and medium-sized enterprises (SMEs) in the Brussels construction industry.

Frederik will unfold the significance, value and potential of the patrimony of the Brussels construction sector, thus providing a particularly fruitful interpretation and application of the concept of 'baukultur' – a term coined in the Declaration of Davos, in the context of the European Year of Cultural Heritage 2018.

**Time** Thursday October 15, 3-4 PM  
**Platform** [Click here to open MS Teams](#)  
**Course** Theoretical Reflections on Monument Care



# MASTER CLASS 2

## SARA WERMIEL

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Two key elements of American historic preservation planning: property registration and historic district

Sara E. Wermiel, independent scholar, historic preservation consultant. Research affiliate, MIT Program in Science, Technology & Society and adjunct professor, Boston University. Sara's research focuses on the history of 19th-century American technology, industrialization, and urbanization, especially the development of new materials and assemblies for constructing buildings in the 19th and early 20th centuries. Sara received a doctorate in urban history and history of technology from the Massachusetts Institute of Technology. She also has a degree in urban planning and has worked in city planning, housing and other public sector agencies. She studied historic warehouses in Flanders (2012), and



in 2016, she was a Fellow with the Brussels Centre for Urban Studies, when she studied historic preservation regulations and incentives in Flanders and Brussels.

From an international comparative perspective, Sara will discuss two key elements of built heritage preservation: historic resource identification and registration, and protection of groupings of historic properties. She will present the practice in the United States, specifically, the national level registration program (National Register of Historic Places) and property protection through Local Historic District regulations in the state of Massachusetts.

**Time** Thursday October 22, 3-4 PM  
**Platform** [Click here to open MS Teams](#)  
**Course** Theoretical Reflections on Monument Care



*This Master Class is organised in the framework of the course 'Theoretical Reflections on Monument Care' by prof. Stephanie Van de Voorde. The course is part of the educational programmes of Master in Architectural Engineering and Master in Urban Studies (VUB and ULB). In this course, (international) experts in the field are invited to talk about particular themes and topics related to their expertise during a Master Class. As the course is mainly organised online due to the Covid-19 pandemic, we seize the opportunity to open these Master classes for a wider audience. When joining the online session, please take into account the basic etiquette rules for online meetings (e.g. mute your microphone, raise your digital hand before asking a question during the Q&A at the end of the lecture). For more information, contact [stephanie.van.de.voorde@vub.be](mailto:stephanie.van.de.voorde@vub.be)*

# MASTER CLASS 3

## SANTIAGO HUERTA

### Ethics and materials

Santiago Huerta is professor of Project and Structural Calculation at the Escuela Técnica Superior de Arquitectura de Madrid (ETSAM), Spain. Having chaired numerous conferences on construction history, including the First International Congress on Construction History in Madrid in 2003, he gave a strong impetus to the international development of Construction History as a research discipline. During the past twenty years, Santiago also worked as a consultant analyzing historical constructions.

Combining theoretical expertise with practical insights from his work as a consultant, Santiago will discuss the issue of Ethics and Materials. As masonry cannot resist tension, cracks can almost be considered as inherent to masonry structures. Nevertheless, more often than not, out of fear or due to ignorance, the discovery of cracks often leads to drastic interventions. Can we consider such unnecessary and costly interventions, which detract from the heritage value, to be ethical?

**Time** Thursday November 12, 3-4 PM  
**Platform** [Click here to open Zoom meeting](#)  
**Course** Theoretical Reflections on Monument Care



This lecture is organized within the research project: Brick Vaults and Beyond. The Transformation of a Historical Structural System. This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 833030



HORIZON 2020



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# MASTER CLASS 4

## MICHAEL DE BOUW

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### Retrofitting and Heritage

Michael de Bouw, graduated as a MSc in Architectural Engineering in 2003 (VUB-ARCH), is head of the Laboratory 'Retrofitting and Heritage' of the Belgian Building Research Institute. In 2011-2020, Michael was Associate Professor at Universiteit Antwerpen, involved in the educational programme on Heritage Studies.

During the master class, Michael will present the digital technology that is used and developed by the laboratory 'Retrofitting and Heritage' of the BBRI, e.g. drones, photogrammetry, monitoring and 3D printing. Michael will explain the added value of these tools in the lab's research on building pathology, energy and comfort, and industrialised renovation techniques.

<b>Time</b>	Thursday November 19, 4-5 PM
<b>Platform</b>	<a href="#">Click here to open MS Teams</a>
<b>Course</b>	Theoretical Reflections on Monument Care



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# MASTER CLASS 5

## WOUTER CALLEBAUT

### Stratification of monuments

Wouter Callebaut set up the architectural office Callebaut-Architecten bvba in 2005. Specialized in the restoration and reuse of monuments and old buildings, the office soon became a reference in the field. In both 2019 and 2020, the office was awarded the Architectural Heritage Award (Onroerenderfgoedprijs) for the 'Huis van de Vrije Schippers' in Ghent and the 'Predikheren' in Mechelen, respectively. In September 2020, Wouter was appointed as Guest Professor at Ghent University, teaching renovation techniques to future architectural engineers.

One of the concepts that is central to his work, is 'dynamic conservation', which seeks to balance the revaluation of the original building and its new function. Wouter will virtually guide us around in a few projects, thus illustrating his integrated approach and methodology, rooted in science and pursuing quality and sustainability.

**Time** Thursday December 10, 3-4 PM  
**Platform** [Click here to open MS Teams](#)  
**Course** [Theoretical Reflections on Monument Care](#)



# MASTER CLASS 6

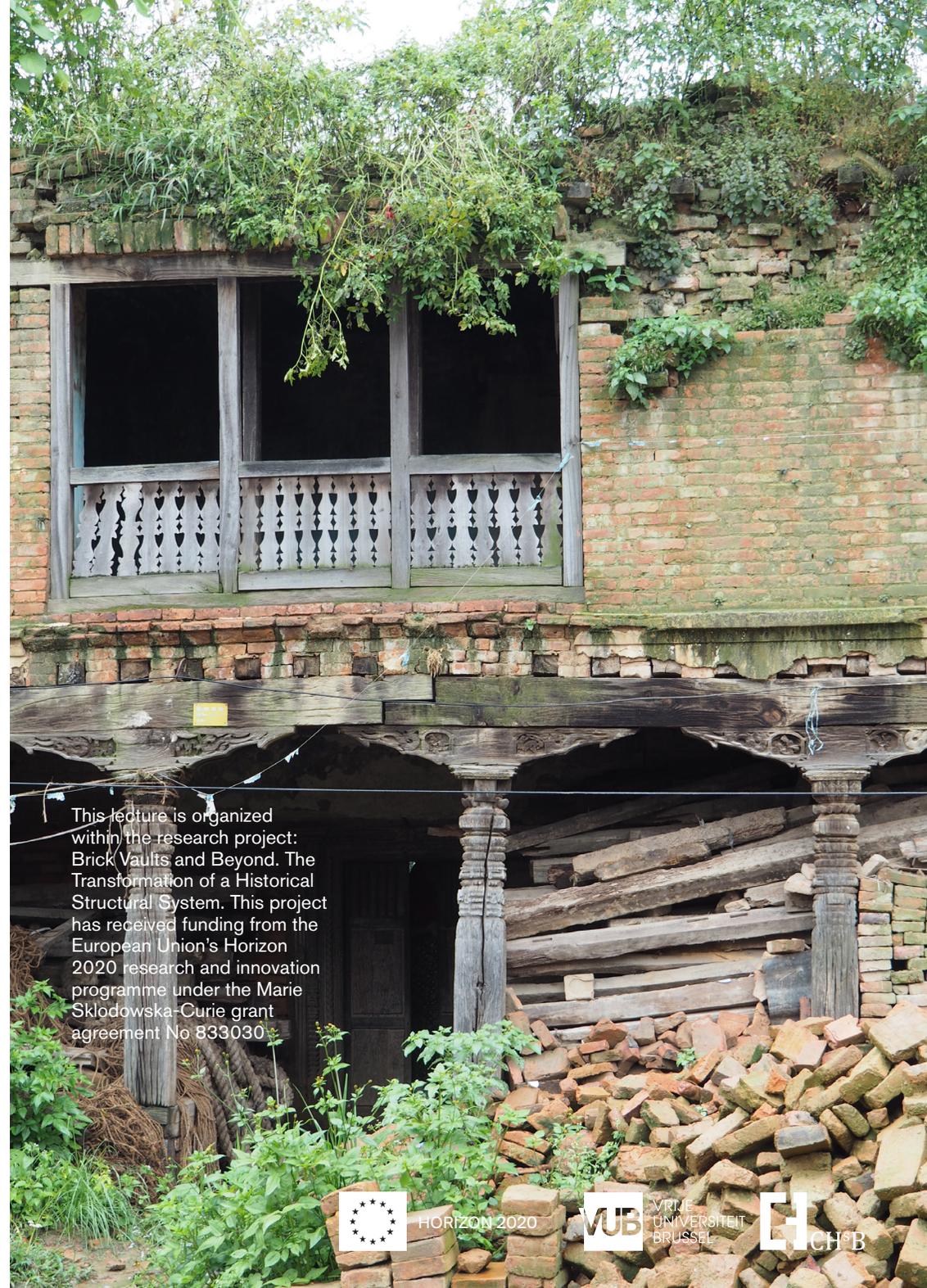
## ALEJANDRA ALBUERNE

### Sustainability of Heritage

Alejandra Albuerne is Lecturer in Sustainable Heritage at the Bartlett, UCL. Alejandra's research is cross-disciplinary and addresses challenges in the historic built environment that require complex approaches combining construction engineering with cultural and social studies. Her work focuses on reuse of traditional construction technology and study of heritage structures, with a particular interest in their seismic behaviour.

As the sustainability of heritage becomes a key goal within the heritage sector we have an opportunity to reflect on what this means. This masterclass will explore the multidisciplinary of sustainability, rooted on four pillars: environmental, social, cultural and economic; and will discuss how heritage –in particular architectural heritage- can respond to these pillars and contribute to the overall sustainability of the built environment.

**Time** Thursday December 17, 3-4 PM  
**Platform** [Click here to open MS Teams](#)  
**Course** Theoretical Reflections on Monument Care



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