



SOCIETY OF
WOOD SCIENCE &
TECHNOLOGY



MARIAPAOLA RIGGIO

→ WOOD SCIENCE AND ENGINEERING DEP. OREGON STATE UNIVERSITY

COUNTRY OF ORIGIN

United States

RESEARCH TOPIC

Timber structural assessment and monitoring, life cycle management

DEGREES

PhD in Modelling, Conservation and Control of Materials and Structures, Faculty of Engineering, Dep. of Mechanical and Structural Engineering, University of Trento, Italy, 2007. PhD dissertation "Morphological modelling of timber elements. An application of digital technologies for the assessment of timber structures." M.S. magna cum laude in Architecture, 1997. Faculty of Architecture, University of Florence, Italy. MS thesis "Analysis and Restoration of Historical Timber Vaults"

CURRENT POSITION

Associate Professor

Innovation in wood science can come from different and nontraditional fields. My contribution, for instance, is based on my perspective as an architect and engineer, by holistically considering the interconnected parameters that determine a wooden building quality.

Dr. Riggio has an established reputation among the international scientific community, as an expert in timber buildings assessment. This reputation is built upon more than 15 years of involvement in international projects and organizations, such as ISCARSAH-ICOMOS and RILEM, to advance scientific knowledge related to the use of wood in the built environment and encourage transfer and application of this knowledge. Her projects aim to define integrated metrics for the life cycle performance of timber buildings and construction systems. In her most recently funded research, she has additionally focused on upstream sustainability factors such as material sourcing and fabrication.



WOMEN AMBASSADORS CREATING THE FUTURE OF WOOD SCIENCE