

# GEO RES2017

Conservation of Cultural Heritage in the Digital Era  
22 – 24 May 2017, Florence

Preliminary Young Researcher Workshop  
19 – 21 May 2017, Florence

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KEYNOTE SPEAKER

**MARIO SANTANA-QUINTERO**  
CARLETON UNIVERSITY, CANADA

**Title: HARNESSING DIGITAL WORKFLOWS FOR CONSERVING HISTORIC PLACES**



**Abstract:** Recording the physical characteristics of historic structures and landscapes is a cornerstone of preventive maintenance, monitoring and conservation. The information produced by such work assists the decision-making process for property owners, site managers, public officials, and conservators. Rigorous documentation may also serve a broader purpose: over time, it becomes the primary means by which scholars and the public apprehend a site that has since changed radically or disappeared. These records also serve as posterity and monitoring records in the event of catastrophic or gradual loss of the heritage resource.

**Bio:** Mario Santana-Quintero, is an assistant professor on Architectural Conservation and Sustainability at department of Civil and Environmental Engineering Carleton University. He is also the Director of the NSERC Create program "Engineering Students Supporting Heritage and Sustainability (HERITAGEENGINEERING)" based at the Carleton immersive Media Studio Lab (CIMS). He has an architectural degree, holding a master in conservation of historic buildings and towns and a PhD in Engineering from the R. Lemaire International Centre for Conservation (University of Leuven). He is also a guest professor at the Raymond Lemaire International Centre for Conservation (University of Leuven). These past years he has been teaching also at the Universidad Central de Venezuela, Universidad de Guadalajara (Mexico) and Universidad de Cuenca (Ecuador). In the past, he was a Professor at the University College St Lieven and lecturer at the University of Aachen RWTH and the Historic Preservation Programme at the University of Pennsylvania between 2006 and 2011. Along with his academic activities, he serves as ICOMOS Board member and he is the past president of the ICOMOS Scientific Committee on Heritage Documentation (CIPA). Furthermore, he has collaborated in several international projects in the field of heritage documentation for UNESCO, The Getty Conservation Institute, ICCROM, World Monuments Fund, UNDP, Welfare Association, and the Abu Dhabi Authority for Culture and Heritage.