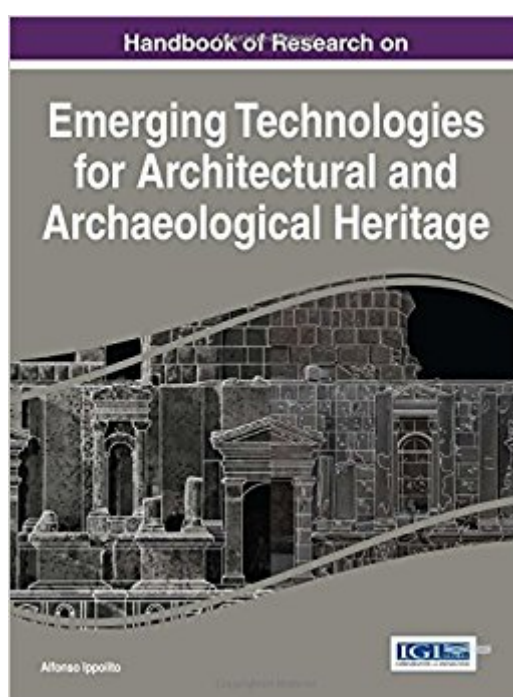


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# Handbook Of Research On Emerging Technologies For Architectural And Archaeological Heritage (Advances In Religious And Cultural Studies)



## Synopsis

Cultural heritage is a vital, multifaceted component of modern society. To better protect and promote the integrity of a culture, certain technologies have become essential tools. The Handbook of Research on Emerging Technologies for Architectural and Archaeological Heritage is an authoritative reference source for the latest scholarly research on the use of technological assistance for the preservation of architecture and archaeology in a global context. Focusing on various surveying technologies for the study, analysis, and protection of historical buildings, this book is ideally designed for professionals, researchers, upper-level students, and practitioners.

## Book Information

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## Customer Reviews

NPR reports that 45 million tourists visit Italy and its monuments each year, generating about 9 percent of the country's GDP. This surprising fact perhaps explains a handbook that speaks primarily to the archaeological side of historic preservation in Italy. Forty-four contributors collaborated to produce nineteen case studies laden with highly technical information about photogrammetry and other measurement technologies for documenting heritage sites. [...]. The volume is at its strongest in two chapters: an art-historical interpretation of Borromini's Sant' Ivo alla Sapienza tracing its iconography to the third poem of Dante's Divine Comedy; and a proposal to repurpose a Beaux-Arts post office in Buenos Aires, Argentina, into a cultural center. Some of the chapters included here would actually be more accessible if the authors had instead published them

as journal articles, perhaps as a special issue of the APT Bulletin: The Journal of Preservation Technology. The collection belongs only in specialty archaeology collections, whereas Donald Friedman's Historical Building Construction: Design, Materials & Technology (2nd ed., 2010) is more suited to academic libraries supporting preservation-related programs. --P. Glassman, Yeshiva University, Choice Reviews

Alfonso Ippolito is an Architect, in 2006 degree of Ph.D. Since 2008 is assistant professor and researcher ICAR 17, at Sapienza University of Rome, in disciplinary project: innovative survey methodologies and techniques, modelling and methodologies of representation. Works on and with new surveying techniques taking advantage of the 3D laser, both of short and long range, on the elaboration of data, on the successive modelling of surface from point clouds, on the optimization of the latter in relation to architectural and archaeological surveying and in relation to designing. Works actively on the problems concerning prototyping, managing and optimizing surveying procedures. Among the cultural heritage objects researched mention must be made of the San Pietro Dome, the wooden model of San Pietro made by Antonio da Sangallo the Younger, the Claudio's Temple and the Giano's Arch in Rome; the Roman theatre and amphitheatre in Merida, Spain; the El Khaseneh theatre and the royal tombs at Petra, the theatre in Jarash, Jordania. Participated in the PRIN and Furb financed research and in the European Project entitled Higher Education Curricula Development Project (HECDP the Tempus CARDS Programme). He was Technical Manager for the ATHENA Project (in Euromed Heritage IV Programme). Assistant Professor at the courses of higher education and courses for the the degree of Ph.D. in research. Maintains contacts with and acted as chairman at international and national conferences in such cities as: Canton in China; San Francisco, Las Vegas, Washington in the USA; La Plata in Argentina; Amman in Jordania, in Madrid and various other cities. Since 2007 sits on the editorial board of the periodical DISEGNARE. IDEE IMMAGINI. Since 2012 sits on the scientific committee of the MAVNA Museum (Virtual Archaeological Museum of Narce) in Mazzano Romano (Rome).

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