

[Publications](#)[Archives](#)[Volumes](#)[Full Text Search](#)[Title and Author Search](#)[Annals](#)[ISPRS Journal](#)[ISPRS Journal Geo-Info](#)[ISPRS eBulletin](#)[ISPRS Highlights](#)[Book Series](#)[Brochure](#)[ISPRS Profile](#)[Annual Reports](#)[Related Publications](#)[Booklets](#)

#### [Volume XXXVIII-5/W16](#)

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XXXVIII-5/W16, 9-14, 2011

[www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXVIII-5-W16/9/2011/](http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXVIII-5-W16/9/2011/)

doi: 10.5194/isprsarchives-XXXVIII-5-W16-9-2011

© Author(s) 2011. This work is distributed  
under the Creative Commons Attribution 3.0 License.

## THE ARCHITECTURAL INFORMATION SYSTEM SIARCH3D-UNIVAQ FOR ANALYSIS AND PRESERVATION OF ARCHITECTURAL HERITAGE

M. Centofanti, R. Continenza, S. Brusaporci, and I. Trizio

Department of Architecture and Urban Planning – University of L'Aquila, Via Giovanni Falcone 25, 67100 Coppito, Italy

**Keywords:** Architectonical Informative Systems, 3D modelling, Architectonical surveying

**Abstract.** The research group of L'Aquila University defined a procedure to create an architectonical Information System called SIArch- Univaq. This information system can be integrated with "Risk Map" Italian database. The SIArch-Univaq is based on importation of architectonical three-dimensional photorealistic models in GIS environment. 3D models are realised according to building constructive elements, derived by a critical architectonic surveying; the importation of models into GIS allows the interrogation of the constructive elements (i.e. beam, window, door, etc.): this favour the knowledge of the architectonical heritage, indispensable requirement to plan processes of restoration, maintenance and management.

[Conference Paper](#) (PDF, 3692 KB)

Citation: Centofanti, M., Continenza, R., Brusaporci, S., and Trizio, I.: THE ARCHITECTURAL INFORMATION SYSTEM SIARCH3D-UNIVAQ FOR ANALYSIS AND PRESERVATION OF ARCHITECTURAL HERITAGE, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XXXVIII-5/W16, 9-14, doi:10.5194/isprsarchives-XXXVIII-5-W16-9-2011, 2011.

[Bibtex](#) [EndNote](#) [Reference Manager](#) [XML](#)

