

SHORT CV: Raffaella Brumana

Thematic Area: TA7



Key areas of Expertise in Digital Heritage:

- Architectural Heritage&Built Environment;
Map heritage collections;
- Enriched content modeling, advanced surveying techniques; BIM-GIS-3DModelling-VR-AR;
- Virtual Museums based on 3Dgeospatial data;
Landscape Museums; Open Data Access-
VirtualHub&semantic based platforms&metadata;
open source geoportal atlas; interoperability, format exchange and remote management

Born on February, 19th 1963. MscArch at the Politecnico di Milano (110/110 with honours). Ph.D. in Geodetic and Topographic Sciences.

Since 07/01/2016 Full Professor (Geomatics), Politecnico di Milano-dABC (Department of Architecture, Built Environment and Construction Engineering)

Member of the Scientific Board of the POLIMI-dABCphd School of Doctoral Studies (2009-2017).

Scientific Responsible of the Gicar-us lab (4D BIM - GIS - SDI), Geospatial Information@Content modeling: Architectural heritage&built environment&EUrbanAtl@s Data Surveying (<http://www.gicar-us.polimi.it>; www.atlas.polimi.it).

She teaches Innovative Surveying Techniques and Urban Environmental Surveying to undergraduate student at the Ms.Arch (School of Architecture), Ms.Building Engineering/Architecture (School of Engineering EDA), Post-Graduate School (SBAP-Scuola di Specializzazione in Beni Architettonici e Paesaggio) and PhD students within the ABD-PHD Doctoral programme

https://www4.ceda.polimi.it/manifesti/manifesti/controller/ricerche/RicercaPerDocentiPublic.do?EVN_ELENCO_DIDATTICA=evento&n_documento=Brumana&k_documento=26609&lang=EN&aa=2013&tab_ricerca=2&jaf_currentWFID=main

She has authored more than 150 scientific publications, peer review scientific journals, and of an IT book on Technical Specification on Georeferencing Cultural Heritage for the Risk map of RL.

-ICOMOS Member (International Council on Monuments and Sites).

- International Scientific Board of UNESCO-OPEN FORUM Mesopotam Saranda (Albania) 2006-09;

- Co-chair EUROMED 2018 (Cyprus).

-Member of the ECTP EeB PPP PB Partnership Board (2015-2018; 2018-2021);

-International Traineeship: - ARCHDOC Architectural Heritage Documentation for Conservation 2011-15 RLICC (Unesco Chair on Preventive conservation and monitoring of monuments and Sites-KUL, Leuven) Master Post Master. -SSHRC Partnered Research Training Initiative New Paradigm/New Tools for Architectural Conservation in Canada (Social Sciences and Humanities Research Council, Partnership) Ottawa.

-International and National Research-Consultancy Contracts: 2014-16, ENERGIC OD (620400) - European Network for Redistributing Geospatial Information to user Communities - Open Data; ALDREN (H2020); 2012-2015 EASEE (7FP), 2012-13, GE2O (7FP), FESR HomeBIM; FESR SINOPIAE; PORL EU FESR 2007-13-16

'Multimedia system for the presentation and participated recognizing of the environmental values of the landscape of the Lake of Como'. Surveying and BIM (Basilica di Collemaggio ENISERVICE, Spire of Duomo di Milano, St. Ambrogio's Basilica, Castel Masegra, Grasselli-Magio Palace, E-VMV Virtual Museum Villa REALE di Monza (expo), St. Marcus Basilica in Venice, and others).



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