

SPALLONE Roberta Short CV (30-01-2022)

• EDUCATION

1995-96 PhD in Drawing and Survey of Built Heritage/ La Sapienza Università di Roma/ PhD thesis evaluation: optimum.
1987-88 Master Degree (cum laude) in Architecture/ Politecnico di Torino (PoliTO)

• CURRENT POSITION

2018–to date Full professor
Department of Architecture and Design (DAD)/ PoliTO

• PREVIOUS POSITIONS

2005–18 Associate professor
(DAD)/ PoliTO
1999–2005 Assistant professor
Department of Science and Techniques for Settlement Processes (DINSE)/ PoliTO

• AWARDS

2021 Best paper award/ Spallone, R. et al, AR and VR for Heritage Communication and Fruition at the Museo d'Arte Orientale of Turin / UID International Conference
2018 Best paper award/ Spallone, R. Measuring the vaults. Surface models aiming to study the lunettes in the Modo di misurare le fabbriche by Guarini/ UID International Conference
2015 Best paper award (topic Historical research)/ Spallone, R., Guarino Guarini and the "Fortificazione" between theory, drawing and design/ FORTMED International Conference
1997 Silver plaque award for PhD thesis First prize ex aequo/ UID

• SUPERVISION OF PHD STUDENTS AND POSTDOCTORAL FELLOWS

2020–22 Supervision of 1 Postdoctoral fellow (2 years of research fellowship)/PoliTO
2007–to date Supervision of 3 PhD Students (1 in progress) PhD in Architectural and Landscape Heritage/ PoliTO
2020–to date Supervision of 2 PhD Student (in progress) International PhD in Architecture, Building, Urbanism, and Landscape/ Universitat Politècnica de València
2010–11 Supervision of 1 Post Doc Student/ Master of Talents of Civil Society - Fondazione Giovanni Gorla Asti/ Interuniversity Dept of Regional and Urban Studies and Planning/ PoliTO

• PhD COURSES DIRECTION | COORDINATION

2022 Coordinator (with M. Vitali, director, and P. Rodriguez) of PhD Excellence course "An integral approach to the study of fortifications" PhD in Architectural and Landscape Heritage/ PoliTO
2018-19 Director of PhD Excellence course "Complex vaulted systems: geometry, design, construction", PhD in Architectural and Landscape Heritage/ PoliTO
2015-19 Director of 4 PhD courses about Survey and modeling aimed to analysis, interpretation, communication and sharing of architectural and urban heritage/ PhD in Architectural and Landscape Heritage/ PoliTO
2015–19 Co-Director of the PhD course "The drawing of cities and territories as a complex system"/ PhD in Cultural Heritage/ PoliTO (5 years)

• ORGANISATION OF SCIENTIFIC MEETINGS

2023 Advisor of FORTMED International Conference - Modern Age Fortifications of the Mediterranean Coast/ Chair M. G. Bevilacqua/ Pisa
2023 Chair of the 14th International, Interdisciplinary Conference Nexus 2023: Relationships Between Architecture and Mathematics/ Turin
2020/21/22 Chair of REA/ACH-ID Symposium - Representation for Enhancement and management through Augmented reality and Artificial intelligence: Cultural Heritage and Innovative Design (with A. Giordano and M. Russo)/ ab 200 participants /Padua (3 years)
2018 Chair of FORTMED International Conference/ 215 participants/ Turin
2016 Chair of XII Color International Conference/ 150 participants/ Turin
2020 Member of the Honour Committee of EGA 2020 Saragozza

• INSTITUTIONAL RESPONSIBILITIES

2019-21 Member of ASN Committee/ Ministero dell'Istruzione, dell'Università e della Ricerca/ Italy
2018 PRIN 2017 evaluator registered in the REPRISSE Register/ Italy
2019–to date Responsible of Internal Quality Assurance (AIQ) for Research and Didactics/ DAD/ PoliTO
2007-09 Vice-President of Architecture Science Bachelor course/ 47 professors, abt. 1200 students/ I Faculty of Architecture/ PoliTO
2013–to date Member of PhD Board Architectural and Landscape Heritage/ PoliTO

• DIRECTION OR PARTICIPATION IN JOURNALS SCIENTIFIC COMMITTEES / PUBLISHING SERIES

2019-20 Guest editor (with M. Vitali) of Special Issue "Complex Vaulted Systems: Geometry and Architecture from Design to Construction"/ Nexus Network Journal/ Springer/ Switzerland
2019–to date Scientific Committee/ International Journal EGE Revista de Expresión Gráfica en la Edificación/ Spain
2019–to date Scientific Committee/ International Journal DisegnareCON/ Italy
2017-to date Director (with M. Vitali) of the bilingual publishing series Drawing and Vaulted Systems/ Aracne/Italy

• MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2021-24 Member of Technique Scientific Committee, UID Unione Italiana Disegno
2021-23 Member of The Nexus Conference Steering Committee
2020–to date Member of Construction History Group (CHG) Research Center of PoliTO 2018–to date Advisory Committee and Scientific Committee of FORTMED Association/Spain 2018–to date Member, CIPA Heritage Documentation
2018–to date Member, ISPRS International Society for Photogrammetry and Remote Sensing
2017–to date Member, ISGG International Society for Geometry and Graphics
1997–to date Member, UID Unione Italiana Disegno

• RESEARCH GRANTS / AGREEMENTS

2020-22 Research Agreement/ Automatic BIM Modelling / INWIT-Infrastrutture Wireless Italiane/ Project leader / Funding: 72.000 euro
Research Agreement/ Modelling and augmented reality of the Castle of Mirafiori and cultural accompaniment for citizens / European project Progireg – Comune di Torino/ Project leader / Funding: 10.000 euro
Research agreement H-BIM modelling for Preventive and Planned Conservation for the Della Rovere Castle of Monastero Bormida and its Compendium/ PRIMA Project Compagnia di San Paolo/ Funding: 6.000 euro
2021-26 Research Agreement Protocol / Piedmont Museums Regional Direction/ Project leader
2021/24 Research Agreement for the enhancement of the cultural heritage of the Museum of Oriental Art/Turin/ Project leader
2019 International Project/ Nuevas tecnologías para el análisis y conservación del patrimonio arquitectónico/ Ministry of Science, Innovation and the University of Spain/ Project leader

• MAJOR COLLABORATIONS

2018 Member of Project Olivetti@Toscana.It Comunità Territorio Architettura, Travelling Exhibition/ Project leader: Marco Giorgio Bevilacqua/ Università degli studi di Pisa/Italy
2017-18 Member of Team MoMoWo Women's Creativity Since the Modern Movement PoliTO, Project leader: Emilia Garda / Project funded by Creative Europe Programme/Culture.
1989-2012 Member of the Research teams of 19 funded Programs of national interest (8 PRIN-MIUR, 5 CNR, 6 MURST60%)

• INVITED PRESENTATIONS AT INTERNATIONAL CONFERENCES AND ADVANCED SCHOOLS

2022 "3D Modeling and Presentation of Cultural Heritage: AR and VR Experiences"/International Winter school/ University of Alcalá de Henares
2022 "Modellazione tridimensionale e presentazione del patrimonio culturale: esperienze di realtà aumentata (AR) e virtuale (VR)"/ PhD course Architettura, Disegno Industriale e Beni Culturali/ Università Luigi Vanvitelli Napoli
2021 "3D modeling of vaulted systems: 'appartamento di mezzanotte', Palazzo Carignano, and the atrium of Palazzo Mazzonis in Turin"/ International Summer school/ Ozyeğin University/ Istanbul
2020 "City forms and digital tools. AI and AR experiments in the built environment"/ PhD course/ Ozyeğin University/ Istanbul
2020 "Bovedas barrocas en los palacios turineses: Analisis geometrico, levantamiento y modelizacion digital"/ Master courses/ Universidad Politécnica de Madrid/ Universitat Politècnica de València
2020 "Digital techniques for Cultural Heritage: the 'Appartamento di mezzanotte' in Palazzo Carignano"/ International Summer school/ Ozyeğin University/ Istanbul
2020 "Survey, Modelling, and Communication by Artificial Intelligence and Augmented Reality: the case of Baroque Vaulted Systems in Turin"/ II level Master in BIM/HBIM / University of Padua
2020 "Rosani's Archives. Drawings, graphical analysis and reconstructive modeling"/ Postgraduate School of Architectural and Landscape Heritage/ Politecnico di Torino
2020 "20th Century Archives: the Case Study of Carlo Mollino. Graphical Analysis, Digital Reconstruction, Animation"/ II level Master in BIM/HBIM/ University of Padua
2020 "From on-site to on-line: chronicle of a drawing and survey laboratory"/ International synchronous online seminar/ Ozyeğin University
2019 "Complex vaulted systems between Geometry and Architecture"/ Lectio magistralis/ University of Bologna
2019 "Integrated digital platform for Cultural Heritage"/ Int. Conf. Restoration and Cultural Heritage Days/ University of Ferrara
2018 "La Cittadella di Torino come paradigma delle fortificazioni 'alla Moderna'"/ Int. Conf. 60° anniversario della scoperta della scala di Pietro Micca/ Circolo Ufficiali di Torino
2018 "Rappresentare il progetto di architettura con animazioni digitali"/ Seminario: Radice comune: il Disegno/ Politecnico di Milano
2015 "Il disegno fra rilievo e progetto nel corso di Architettura della Scuola d'Applicazione di Torino"/ Int. Conf. Central Library of Engineering, Librarian and Museum Area/ DIST-Laboratory of History and Cultural Heritage-PoliTO.

• PUBLICATIONS: OVERVIEW

Publications focus on the fields of:

- history and criticism of architectural drawing, with particular attention to military engineering and architectural treatises
- digital technologies for reconstructive and informative modelling
- geometric analysis, survey, representation, and communication of built heritage using ICT

1995 - 2022 213 Publications

Monographs and publications have been widely spread and have obtained outstanding recognitions by the international scientific community. Research monographs (6) (7 reviews of the monographs in International Journals – 3 presentations at international events).

Leading international peer-reviewed journals (Class A - ANVUR - National Agency for the Evaluation of Universities and Researches Institutes) (19)

International peer-reviewed multi-disciplinary scientific journals (25)

Book chapters (65)

Editorships (6) (5 editorships are open-access and published by International Publishers, 1 editorship is published by Class A International Journal)

Peer-reviewed conferences proceedings (92) – (best paper awarded 3)

