SILVIA MASSERANO
Curriculum of teaching and scientific activity

SYNTHETIC PROFILE

Silvia Masserano, a graduate of the University Institute of Architecture of Venice, holds a PhD in discipline sector ICAR 17 at the Department of Engineering and Architecture of the University of Trieste; since January 2022 he has been a TDA researcher at the Department of Engineering and Architecture at the University of Udine, where he carries out teaching and research activities in the field of descriptive geometry and digital representation.
Her main research concerns the inverse perspective and the digital representation of architecture.
Currently her studies focus on advanced software for the use in immersive reality of digital artifacts related to the field of wooden architetonic design.

TRAINING AND ACADEMIC RESEARCH

2022
Assistant professor in Polytechnic Department of Engineering and Architecture of the University of Udine.

2017
Philosophy Doctor scientific disciplinary sector ICAR/17 Drawing, in Engineering and Architecture - Architecture, obtained at University of Trieste, with excellent marks and press dignity. Thesis title: "Le prospettive architettoniche dei teleri di Paolo Caliari, detto il Veronese. Analisi, comparazione e restituzione". Thesis supervisor: prof. Alberto Sdegno.

2014
Research fellow at Design Department of Politecnico di Milano within the program called "Survey and perspective restitution of painted architectures in Veneto/ Friuli area with the use of advanced technologies".

2012
Awarding of the scholarship "Restitution and representation of unrealized architectures by Ernesto Nathan Rogers/ BBPR", scientific disciplinary sector ICAR 17, scientific director prof. Alberto Sdegno - Polo Universitario Gorizia – University of Trieste.

2002
Qualification to practice the profession of Architect at IUAV University Institute of Architecture in Venice.

2001
Degree in Architecture at University Institute of Architecture of Venice, with the thesis "The image of celestial space: the 'quadratura' of Giovanni Antonio Fumiani in San Pantalon (Venice)" Thesis supervisior: prof. Agostino De Rosa; co-supervisor: prof. Andrea Giordano.

AWARDS

2022
With Alberto Sdegno and Veronica Riavis Best Paper Award- Focus Testimoniare T4 at 43rd International Conference of Teachers of Drawing (Genova 15-16-17/9/2022) for the essay "The New City of Sant'Elia: reconstruction and video simulation of two projects for the metropolis of future".

2017
She receives the Mention Gaspare De Fiore 2017 from the Italian Union for Drawing (16 September 2017).

2017
She wins ex-aequo the first edition of "Eut Edizioni University of Trieste" Doctoral Thesis Award, in the scientific discipline SSH - Social Sciences and Humanities.

EDUCATIONAL ACTIVITIES

Teaching assignments at the University of Udine

2022-2023
Coordinator and holder of the course Module I of the Representation Workshop, degree course in Architecture Sciences, Polytechnic Department of Engineering and Architecture of the University of Udine.

Holder of the course Digital Drawing and BIM, degree course in Civil and Environmental Engineering, Polytechnic Department of Engineering and Architecture of the University of Udine.

2021-2022

Holder of the course Module I of the Representation Workshop (coordinator prof. Roberto Petruzzi), Degree course in Architecture Sciences, Department of Engineering and Architecture of the University of Udine.

2020-2021

Holder of the course Module I of the of Representation Workshop (coordinator prof. Roberto Petruzzi), Degree course in Architecture Sciences, Department of Engineering and Architecture of the University of Udine.

2019-2020

Holder of the course Module I of the Representation Workshop (coordinator prof. Roberto Petruzzi), Degree course in Architecture Sciences, Department of Engineering and Architecture of the University of Udine.

2018-2019

Holder of the course Module I of Architectural Design Workshop 2 (coordinator prof. Cristiana Eusepi), degree course in Architecture Sciences, Polytechnic Department of Engineering and Architecture of the University of Udine.

2017-2018

Holder of the course Module I of the Representation Workshop (coordinator prof. Roberto Petruzzi), Degree course in Architecture Sciences, Department of Engineering and Architecture of the University of Udine.

Holder of the course Module I of Architectural Design Workshop 2 (coordinator prof. Cristiana Eusepi), degree course in Architecture Sciences, Polytechnic Department of Engineering and Architecture of the University of Udine.

Teaching assignments at the University of Trieste

2021-2022

Holder of the course Drawing and Survey of Architecture of the Composition, Theory and Representation of Architecture Workshop I (coordinator prof. Gianfranco Guaragna), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

2020-2021

Holder of the course Digital Drawing and BIM of the Composition, Theory and Representation of Architecture Workshop II (coordinator prof. Giovanni Fraziano), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

Holder of the course Drawing and Survey of Architecture of the Composition, Theory and Representation of Architecture Workshop I (coordinator prof. Gianfranco Guaragna), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

Holder of the course Drawing, course of Degree in Civil and environmental Engineering, Department of Engineering and Architecture of the University of Trieste.

2019-2020

Holder of the course Digital Design of the Composition, Theory and Representation of Architecture Workshop II (coordinator prof. Giuseppina Scavuzzo), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

Holder of the course Drawing and Survey of Architecture of the Composition, Theory and Representation of Architecture Workshop I (coordinator prof. Gianfranco Guaragna), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

Holder of the course Drawing of the Degree course in Civil and Environmental Engineering, Department of Engineering and Architecture of the University of Trieste.

2018-2019

Holder of the course Representation of Architecture, of the Archietctural Design Workshop 1 (coordinator prof. Gianfranco Guaragna), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

Holder of the course Drawing, degree course in Civil and Environmental Engineering, near the Department of Engineering and Architecture of the University of Trieste.

2017-2018

Holder of the course Representation of Architecture of the Archietctural Design Workshop 1 (coordinator prof. Gianfranco Guaragna), degree course in Architecture, Department of Engineering and Architecture of the University of Trieste.

2012-2013
Holder of the course Representation of Architecture of the Archietctural Design Workshop 1 (coordinator prof. Alberto Sdegno), degree course in Architecture Sciences of the University of Trieste.

2011-2012
Holder of the course Representation of Architecture of the Archietctural Design Workshop 1 (coordinator prof. Alberto Sdegno), degree course in Architecture Sciences of the University of Trieste.

2010-2011
Holder of the course Foundations and applications of descriptive geometry of the Drawing for Architecture Workshop (coordinator prof. Alberto Sdegno), degree course in Architecture Sciences of the University of Trieste.

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Holder of the course Foundations and applications of descriptive geometry of the Drawing for Architecture Workshop (coordinator prof. Alberto Sdegno), degree course in Architecture Sciences of the University of Trieste.

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2007-2008
Holder of the course Foundations and applications of descriptive geometry of the Drawing for Architecture Workshop (coordinator prof. Alberto Sdegno), degree course in Architecture Sciences of the University of Trieste.

2006-2007
Holder of the course Descriptive Geometry, degree course in Architectural Sciences of the University of Trieste.

2005-2006
Holder of the course Techniques of Representation 2 of the Architectural Design Workshop 2 (coordinator prof. Giovanni Corbellini), degree course in Architectural Sciences of the University of Trieste.

Collaborations at the University of Udine

2017-2018
She collaborates within the Representation Workshop coordinated by prof. Roberto Petruzzi, carrying out activities of support to the teaching for Module I, (holder prof. Alberto Sdegno), a degree course in Architectural Sciences, Polytechnic Department of Engineering and Architecture of the University of Udine.

Collaborations at the University of Trieste

2016-2017
She collaborates within the of Architectural Design Workshop 1, held by prof. Gianfranco Guaragna, carrying out integrative activities to support teaching for the course of Representation of Architecture (owner prof. Alberto Sdegno) degree course in Architecture Sciences of the University of Trieste.

2015-2016
She collaborates within the Architectural Design Workshop 1, held by prof. Gianfranco Guaragna, carrying out integrative activities to support teaching for the course of Representation of Architecture (owner prof. Alberto Sdegno) degree course in Architecture Sciences of the University of Trieste.

2014-2015
She collaborates within the Architectural Design Workshop 1, held by prof. Giovanni Marras, carrying out integrative activities to support teaching for the course of Representation of Architecture (owner prof. Alberto Sdegno) degree course in Architecture Sciences of the University of Trieste.

2013-2014
She collaborates within the Architectural Design Workshop 1, held by prof. Giuseppina Scavuzzo, carrying out integrative activities to support teaching for the course of Representation of Architecture (owner prof. Alberto Sdegno) degree course in Architecture Sciences of the University of Trieste.

2006-2007

Activity of integrated collaboration within the integrative course of Disciplines of the Drawing and Techniques of the Representation, for the Course of Degree in Sciences of the Architecture and for the Course of Specialistic Degree of the University of the Studies of Trieste.

Collaboration assignments at the Istituto Universitario di Architettura of Venice

2005-2006
She collaborates in the teaching of Fundamentals and applications of descriptive geometry D (holder prof. Fabrizio Gay), a degree course in Architectural Sciences of the IUAV University of Venice.

She collaborates in the teaching of Drawing (holder prof. Fabrizio Gay), a degree course in Architectural Sciences of the IUAV University of Venice.

She collaborates in the teaching of Survey of Architecture E (holder prof. Fabrizio Gay), a degree course in Architecture Sciences of the IUAV University of Venice.

She collaborates in the teaching of Drawing (holder prof. Fabrizio Gay) Master's Degree in Architecture - Architecture for Construction - IUAV University of Venice.

2004-2005
She collaborates in the didactics within the course of Foundations and applications of descriptive geometry D (holder prof. Fabrizio Gay), a degree course in Architectural Sciences of the IUAV University of Venice.

She collaborates in the teaching of Drawing (holder prof. Fabrizio Gay). Degree course in Architecture Sciences of IUAV University of Venice.

She collaborates in the teaching of Survey of Architecture E (holder prof. Fabrizio Gay), a degree course in Architecture Sciences at the IUAV University of Venice.

She collaborates in the teaching of Drawing (holder prof. Fabrizio Gay), a master's degree course in Architecture - Architecture for construction - of the IUAV University of Venice.

2003-2004
She collaborates in the didactics within the course Foundations and applications of descriptive geometry E (holder prof. Fabrizio Gay), a degree course in Architectural Sciences of the IUAV University of Venice.

She collaborates in the didactics within the course of Drawing (holder prof. Fabrizio Gay), Master's Degree in Architecture - address Architecture for the City - of the IUAV University of Venice.

2002-2003
She collaborates in the didactics within the course of Design of architecture E (holder prof. Filippo Camerota), a degree course in Architecture Sciences of the IUAV University Institute of Architecture of Venice.

Reports and interventions in the field of teaching, seminars and doctoral

2019
Rapporteur of the series of seminars entitled "Research in the field of prospective restitution" held in Gorizia on 19 March and 2 April 2019 as part of the PhD course in Civil Engineering - Environmental and Architecture, activated by the Department of Engineering and Architecture for the academic year 2018/19.

2015
She participated in the seminar Drawing, Model, Digital Representation, held at the University of Trieste (24 November 2015) with the talk Inside painting: from painting to simulation.

2014
She took part in the seminar Modelling and advanced representation, held at the University of Trieste (14 January 2014) with the speech: Progetti triestini di E. N. Rogers/BBPR.

2013
Participate in the seminar Experimentations on drawing. From the digital reconstruction of architectures to the interactive stereoscopic visualization, held at the Area Science Park of Trieste (8 and 11 January 2013) with the intervention: Progetti triestini by E. N. Rogers/BBPR.

2010

She participates in the seminar The drawing for the knowledge of architecture. Traditional representation and digital technologies for drawing and embossing. From the model to the architectural video, held at the University of Trieste (April 13, 2010) with the speech: Drawings and reconstructions of projects by E. N. Rogers.

2007
She took part in the Advanced Modelling seminar at the workshop on the Representation of Architecture, held at the University of Trieste (28, 29, 30, 31 May, 1 June 2007) with the speech: The image of celestial space: the 'quadratura' by Giovanni Antonio Fumiani in San Pantalon (Venice).

2006
She took part in the Advanced Modelling seminar at the Modelling of Architecture and Digital Representation workshop held at the Faculty of Architecture of the University of Trieste (30-31 May, 1 June 2006) with the intervention: The image of the celestial space: the 'quadratura' by Giovanni Antonio Fumiani in San Pantalon (Venice).

Lectures and participation as speaker in scientific workshops and conferences

2023
Take part in the course Nuove tecnologie di simulazione immersiva in architettura e ingegneria: dalla realtà aumentata alla realtà virtuale coordinated by prof. Alberto Sdegno and held at the CISM (International Centre for Mechanical Sciences) in Udine on 5 May 2023, with real-time rendering intervention for immersive systems.

2022
Participates in the Open Conference/Workshop Around Palladio/Around Palladio. The architectural design between history and new technologies of representation held at the T9 room of the Palazzo Garzolini of Toppo Wassermann of Udine (13-14 June 2022), with the intervention Demonstrations of Virtual Reality systems applied to Palladian architecture, and the Workshop Around Palladio/Around Palladio. New design methodologies for architecture, carried out at the Advanced 3D LAB of the LAB VILLAGE of the University of Udine from 14 to 17 June with the intervention: Augmenting Painting: perspective restitutions of paintings and applications in augmented reality.

2018
She co-teaches with Alberto Sdegno the workshop of Representation of Architecture held at the Department of Engineering and Architecture of the University of Trieste, on January 8, 9, 10, 11, 2018.

2017
She participated in the 39th International Conference of Teachers of the Disciplines of Representation, XIV Congress of the Italian Union for Drawing, held in Naples on 14,15 and 16 September 2017, with the intervention: "The Apotheosis of Venice by Paolo Veronese: perspective restoration and digital reconstruction of architecture".

2016
She collaborates at the WIP Workshop 2016 (Integrated Design Workshop 2016), Il disegno del Castello. Workshop of importance and digital representation on the castle of Gorizia, organized by the University of Trieste (Department of Engineering and Architecture) held by prof. Giuseppe Amoruso (Polytechnic of Milan - Intbau Italy) held on 13, 14, 15, 16 and 17 June 2016, performing detection activities using the structured light 3D scanner.

2015
She participated at the International Workshop "Theories, techniques and figurative repertoires in the perspective of architecture between the '400 and the '700. From the acquisition to the reading of the data" organized by the University of Florence (Department of Architecture) held in Florence on 16/17 April 2015, with the intervention "The banquet in Levi's house by Paolo Veronese: perspective analysis and reconstruction of the simulated space".

Dissemination of research activities

2022
Participates in the event Udine Design Week 2022 "Mo(n)di possibili" held in the Room of technology set up at the Palazzo Morpurgo Valvason in Udine with the project "Visit of the exhibition pavilion designed by architect Serena Midolini through an immersive virtual experience" (2 March - 20 March 2022).

Participates in the activities PCTO 2022 Alternation work school held at the Department of Engineering and Architecture of the University of Udine on 2-3 May 2022, 9-10 May 2022 and 30-31 May 2022 with the intervention: 3D scanning and printing.

2019

Participates in the Digital Circus of Futura Trieste. A sea of science, held in Trieste from 10 to 12 April 2019 at the Sala Dionea del Magazzino 42 - Stazione Marittima - with the project "Augmented reality: virtual explorations of a pictorial space".

2016
Participates in Trieste Mini Maker Faire. The feast of ingenuity, held at the ICTP campus in Miramare (21-22 May 2016), within the area maker with the project Manualità vs Technology. Research group: prof. Alberto Sdegno (coordinator), arch. Silvia Masserano, arch. Paola Cochelli.

She participates in Science pic nic, held at the ICTP campus in Miramare (20 May 2016), as part of the maker area with the project Manualità vs Tecnologia. Research group: prof. Alberto Sdegno (coordinator), arch. Silvia Masserano, arch. Paola Cochelli.

Join Units iDay. Science, technology and society, held at the University Residence ex Ospedale Militare di Trieste on 29 April 2016, with the research group ADD - Archtecture and Digital Design - of the Engineering Department of the University of Trieste presenting the project 3D selfie.

2015
Participates in Trieste Next. BIO Logos. The future of Life, 4th edition (25-26-27 September 2015), as part of the exhibition reserved to the Department of Engineering and Architecture of the University of Trieste, with the project 3D Body Modeling. From photography to the digital model. Research group: prof. Alberto Sdegno (coordinator), arch. Silvia Masserano, arch. Paola Cochelli, arch. Denis Mior, arch. Eleonora Gobbo, coll. José Hernandez.

2014
Participates in Trieste Next. European scientific research exhibition, Energetich 3, edition (26-27-28 September 2014), as part of the exhibition reserved to the Department of Engineering and Architecture of the University of Trieste, with the project Architecture and Augmented Reality. Virtual explorations of space. Research group: prof. Alberto Sdegno (coordinator), arch. Silvia Masserano, arch. Denis Mior, arch. Paola Cochelli.

Participation and collaboration in the realization of exhibitions

2023
She is present as a member of the Architecture section of the Advanced 3D LAB of the Polytechnic Department of Engineering and Architecture of the University of Udine at the Raffaello exhibition. Born Architect set up at the Palladio Museum in Vicenza, with an exhibition of the physical model reproducing the small temple depicted in Raphael's cartoon entitled La predica di San Paolo in Athens. (7 April - 9 July 2023) ,

She collaborates to the realization of the didactic exhibition "Le Corbusier digitale" held at the Architecture Exhibition Space of the Rizzi Scientific Center of Udine (16 March - 30 April 2023).

2015
She collaborated on the exhibition "Le Corbusier Reloaded. Drawings, models, video, held at the exhibition spaces of Palazzo della Torre, seat of the Fondazione Cassa di Risparmio di Gorizia. (23 June - 19 July 2015).

2014
Antonio Lasciac collaborates on the exhibition. Drawings of Gorizia, held at the Sala Mario Di Iorio of the Isontina State Library of Gorizia. (9 -12 December 2014).

2012
Collaborates on the realization of "Prophecy of architecture. Visioni di un spazio teatrale e bibliotecario" preview of the restoration projects of the Sala Petrarca, set up at the Sala Petrarca in Gorizia on the occasion of éStoria - VIII Festival Internazionale della Storia. (18 May - 20 May 2012).

2008
She collaborates to the realization of "Pencil drawings of Trieste's architectures. Exhibition of the graphic designs of the students of the Laboratory of Design for Architecture. A.A. 2007-2008", organized as part of the activities of the 10th anniversary of the Faculty of Architecture of Trieste (1998 - 2008), at the Chapel of Our Lady of Sorrows of the Church of the Immaculate Heart of Mary of Trieste. (5 December - 14 December 2008).

2004
She exhibited some plates taken from his thesis L'immagine dello spazio celeste: la 'quadratura' by Giovanni Antonio Fumiani in San Pantalon (Venice) on the occasion of the didactic exhibition "Secret geometries. Architecture and its shadows" held at the IUAV University of Venice. (Cotonificio Veneziano, 24 May - 24 June 2004).