

**ANNA FRANGIPANE, 1963**

Associate professor of Architectural Engineering, Udine University (01.04.2015-on going)

The scientific research activity carried out and in progress concerns the topics:

- i.* history of construction
- ii.* materials and techniques in built heritage
- iii.* relationship between site identity, building techniques and materials
- iv.* setting up of knowledge and valorisation paths for the built heritage
- v.* use and identification of the supply area of some stone materials of historical and traditional building in Friuli Venezia Giulia Region
- vi.* water architecture in Friuli Venezia Giulia Region
- vii.* rainwater harvesting and water saving in buildings, sustainable use of water in buildings and housing developments
- viii.* didactics of construction.

Relevant references:

author of more than 100 scientific paper/books

Presenting his work in Italy and abroad as a speaker and invited speaker

Holding several invited seminars in Italian and foreign universities

Member of secretariats/scientific committees of national/international conferences

Member of the Teachers' Board of the PhD programme in "Civil-Environmental Engineering and Architecture" inter-university of the University of Trieste and the University of Udine (01.11.2017-ongoing)

Referee of the Scientific Committee for the University of Udine of the scientific journal *IlProgettoSostenibile* (2013-2015) and member of the Scientific Committee of *FORUM-Editrice Universitaria Udinese* (20.03.2017-31.12.2019)

lecturer of the courses *Advances in Building Construction and Conservation and Recovery of Buildings* at the Master's Degree in Civil Engineering; past lecturer of the courses *Stone Constructions* (financed by the Consortium of Piasentina Stone Producers) at the Master's Degree in Civil Engineering and *Architectural Construction* at the Master's Degree in Architectural Science

supervisor/co-supervisor for 65 degree/university diploma theses (<https://people.uniud.it/node/2498>); supervisor/co-supervisor for 45 master's degree/specialist degree/five-year old degree theses (<https://people.uniud.it/node/2497>); supervisor/co-supervisor for 3 PhD theses (<https://people.uniud.it/node/3306>)

actively involved in the university's internationalisation activities (internationalisation delegate for the scientific area, head of the double degree programme with the University of Windsor (CA), coordinator of Erasmus programmes)

actively involved in the university's territorial service activities

speaking and writing French and English fluently.

Detailed references:

degree in Civil Engineering for Soil Defence and Land Planning from the University of Udine (07.07.1988)

member of the Board of Engineers of the Province of Udine, no. 1499 (14.03.1989)

researcher at the Udine University (18.11.1991-31.03.2015)

prevailing research and teaching activity in the field of hydraulics and fluvial geomorphology (11.1991-05.2002)

TECHWARE-Technology for Water Resources grant, European COMETT II programme, for research activities in the field of river sediment transport at the HR-Hydraulic Research Wallingford (Oxford, UK) (06-12.1992)

parallel research activity to the main one addressed to construction issues, with focus on the use of stone materials in the Friuli Venezia Giulia Region (1996-2002)

collaboration in the research "Analysis of the stone materials of the ornamental and sculptural elements of the Loggia del Lionello in Piazza Libertà in Udine", scientific responsible Prof. Piera Spadea, agreement between the Department of Georesources and Territory, Udine University, and the Municipality of Udine (01.1996-07.1996)

study leave, aimed at carrying out the research "The sustainable use of water in residential settlements in the cross-border area between Gorizia and Koper. Traditional practices and new solutions" (01.2005-01.2006)

PhD in "Construction Engineering", address "Building Recovery and Technological Innovation", XVII cycle, University of Naples Federico II (16.01.2005)

study and research activity "Sustainability and Water Management in Transborder Residential settlements between Gorizia and Capodistria" at the Faculty of Architecture of the University of Ljubljana (SLO) founded by NATO-CNR Senior Fellowship Programme 2003 (02.05-02.07.2005)

scientific responsible for the research agreement between the Department of Civil Engineering, Udine University, and the Regional Basin Authority of Friuli Venezia Giulia Region, for the study "Sustainable management of water resources in urbanised areas" (01.05.2006-31.01.2007)

MARC2006, 3.rd International Course on the Conservation of Modern Architecture "Suburban Developments of the Recent Past: Visions, - Realities Futures", Alvar Aalto Academy, National Board of Antiquities and University of Technology, Helsinki (SF), Tampere University of Technology (SF), Chalmers University of Technology, Gothenburg (S), ICCROM Rome; moving among Denmark, Sweden, Estonia and Finland (13.05-09.06.2006)

scientific responsible for the research agreement between the Department of Civil Engineering, Udine University, and the Regional Basin Authority Friuli Venezia Giulia Region, for the cognitive study "Rainwater harvesting in the settlements of the Friuli Venezia Giulia Region between tradition and innovation" (01.12.2007-31.08.2008)

exhibition "Architectures of Water in Friuli Venezia Giulia. A path of memory through words and images" - matching the themes of the book published in 2011 - in collaboration with Dr. Silvia Bianco, curator of the Civic Museums of History and Art of Udine (22.03-15.4.2012)

referee of the three-year framework agreement between the Department of Civil Engineering and Architecture, Udine University, and the Istituto Statale d'Istruzione Secondaria Superiore "G. D'Annunzio" of Gorizia on the subject of "Knowledge and valorisation of the building of the associated Liceo artistico Max Fabiani, ex Casa del Balilla in Gorizia, designed in 1927 by arch. Umberto Cuzzi" (03.2013-03.2016)

contact person for the three-year framework agreement between the Department of Civil Engineering and Architecture, Udine University, and ARES - Agenzia Regionale per l'Edilizia Sostenibile s.r.l., for the exchange of skills and promotion of training experiences (10.2013-10.2016)

scientific responsible for the research agreement between the Department of Civil Engineering and Architecture, Udine University, the Notarial Council of the united Districts of Udine and Tolmezzo and the Friulian Notarial Association, for the "Digital re-edition of the work by Giovanni Battista della Porta 'Memories of the Ancient Houses of Udine' edited by Vittoria Masutti" (01.07.2013-30.11.2013)

national scientific qualification of second level (2012 round) for the competition sector 08/C1 - Design and technological planning of architecture (05.02.2014)

referee of the three-year framework agreement between the Department of Civil Engineering and Architecture, Udine University, and the Superintendence for Fine Arts and Landscape of Friuli Venezia Giulia on the topic of "Knowledge, documentation and valorisation of the building, architectural and urban heritage, landscape, design experiences and building cultures" (09.06.2015-09.06.2018)

referee of the three-year framework agreement between the Department of Engineering and Architecture, Udine University, and the Municipality of Castelnovo del Friuli (Pn), on the topic of "Knowledge, valorisation and recovery of the built territory and building cultures, aimed at the valorisation of the Castelnuovo del Friuli area, also in relation to the surrounding territorial context" (15.12.2016-15.12.2019)

invited expert, 1st PoliMi-NCUT Architectural Design Workshop "Milano San Cristoforo ANEW", organised by Politecnico di Milano and North China University of Technology, Milan (07-09.06.2017)

scientific responsible research activity "Knowledge and enhancement of the settlement of Torviscosa (Udine)", University Project ex L.R. 34 art. 5 c. 29-33, Friuli Venezia Giulia Region, funding annual research grant, year 2018 (01.12.2018-01.07.2019)

participation research group National project DPC-ReLUIS 2019-2021, WP 15: "Regulatory contributions for Insulation and dissipation", Local Unit of the University of Udine, responsible prof. ing. Stefano Sorace finalized to the study of construction details (01.01.2019-31.12.2021)

scientific responsible for the research activity "Torviscosa: knowledge and valorisation of the architectures and constructions for the city-factory and its territory", University Project ex L.R. 34 art. 5 c. 29-33, Autonomous Region Friuli Venezia Giulia, funding of annual research cheque, year 2020 (01.01.2021-31.05.2022)

Udine, 30.05.2023