



# Fabio Dell'Acqua

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Address: Department of Electrical, Computer, Biomedical Engineering - University of Pavia, Via Adolfo Ferrata, 5, IT-27100, Pavia, Italy (Work)

## WORK EXPERIENCE

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28/02/2021 – CURRENT Pavia, Italy

FULL PROFESSOR UNIVERSITY OF PAVIA

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Holder of various university courses on Remote Sensing and Earth Observation. taught in English at:

- the Electronic Engineering MSc course at the University of Pavia
- the Agrofood BSc course at the University of Pavia
- an inter-university graduate course on Artificial Intelligence

Vice-Director for Third Mission at the Department of Electrical, Computer, Biomedical Engineering, University of Pavia, since October 2018.

Reference professor for the graduate course in Electronic Engineering

19/02/2014 – 31/12/2023 Pavia, Italy

CHIEF SCIENTIFIC OFFICER TICINUM AEROSPACE S.R.L.

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Scientific advice

Member of the Administration Board.

15/04/2015 – 27/02/2021 Pavia, Italy

ASSOCIATE PROFESSOR UNIVERSITY OF PAVIA

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Holder of three courses on Remote Sensing and Earth Observation, one undergraduate course taught in Italian, two graduate courses taught in English.

Vice-Director for Third Mission at the Department of Electrical, Computer, Biomedical Engineering, University of Pavia, since October 2018.

Board Member of the PhD School in Electronics, Computer Science and Electrical Engineering, University of Pavia

Vice-coordinator of the PhD School in Electronics, Computer Science and Electrical Engineering since October 2018.

Erasmus Traineeship delegate for the Electronics Engineering undergraduate and graduate courses, until Dec 2018.

Qualified for full professorship since March 2018

Courses of Remote Sensing taught at:

- the University of Yerevan, Armenia (Apr 2017, in English)
- the National University of Cordoba, Argentina (June 2017, in Spanish)
- the National Institute of Technology Karnataka, Mangalore, India (Nov 2017, in English)

Co-chair of the national assembly of scientists in Telecommunications&Information Theory, and the co-located assembly of scientists in Electromagnetic Fields in Pavia, June 2019.

Representative for the University of Pavia to the Lombardy Regional Cluster of Aerospace Industry.

Life member of the Scientific and Technical Board of the Cluster.

## EDUCATION AND TRAINING

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31/10/1996 – 14/12/1999 Pavia, Italy

PHD IN ELECTRONICS, COMPUTER SCIENCE, ELECTRICAL ENGINEERING University of Pavia

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- Main research topic: processing of sequences of weather satellite images for identification and short-term prediction of extreme weather phenomena based on modal shape analysis.
- Secondary research topic: modal methods of shape analysis for similarity assessment and retrieval in image databases.

Level in EQF EQF level 8

30/09/1990 – 17/07/1996

5-Y "LAUREA" DEGREE, WITH HONOURS

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- 5-year degree in electronics engineering, track on telecommunication and signal processing.
- Final thesis on the development of a method for shape-based retrieval of images from an electronic database.

Level in EQF EQF level 7

## ADDITIONAL INFORMATION

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### PUBLICATIONS

Publications

WOS ResearcherID: [L-5498-2013](https://orcid.org/0000-0002-0044-2998)

Scholar profile: <https://scholar.google.it/citations?user=OrtidbgAAAAJ&hl=en>

ORCID [0000-0002-0044-2998](https://orcid.org/0000-0002-0044-2998)

SCOPUS Author ID: [57196114762](https://orcid.org/57196114762)

Google Scholar statistics (Feb 2024):

- 354 publications
- 4315 citations
- H = 30

Scopus statistics (Feb 2024):

- 199 publications
- 2688 citations
- H = 26

ISI WOS statistics (Feb 2024):

- 169 publications
  - 1890 citations
  - H = 22
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### ORGANISATIONAL SKILLS

Organisational skills

- I am or was principal investigator of various research projects at a national and international level
- I am currently the coordinator of the telecommunication and remote sensing research group at the Dept. of Electrical, Computer, Biomedical Engineering, University of Pavia

### SCIENTIFIC PROJECTS

Scientific Projects

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- Agenzia Spaziale Italiana (ASI - Italian Space Agency) project n° I/008/04/0 (2004): "Sistema di Interpretazione di Immagini SAR" (SAR image interpretation system). Responsible for a WP
- Agenzia Spaziale Italiana (ASI) project n° I/003/04/0 (2004): "Progetto preliminare per SAR multi-beam di seconda generazione" (preliminary project for a second generation, multi-beam SAR system). Unit coordinator.
- The British Ordnance Survey Project "Rapid delineation of objects in a large high resolution scene" (2004-2005). Responsible for a WP
- EU INTERREG-IIIIC NAVISTO (2006-2007): "Identifying and utilising opportunities in Global Navigation Satellite System (GNSS) applications". Unit coordinator.

- ESA AO/1-5119/06/I-OL(2006-2007): "Image Information Mining in Time Series (IIM-TS)". Responsible for a WP.
  - FP6 Marie Curie Research and Training Network (2007-2011): "Hyperspectral Imaging Network (Hyper-I-Net)". Responsible for a WP.
  - Agenzia Spaziale Italiana (ASI) project SIASGE (2009-2010): defining X and X+L products supporting SIASGE. Unit coordinator.
  - FP7 SAFER (2009-2011): GMES Fast Track on Emergency services. Unit coordinator at EUCENTRE.
  - Agenzia Spaziale Italiana (ASI) project ID 2246 (2010-2011): "Sviluppo di Metodologie di Imaging e di Monitoraggio basate sull'uso di dati SAR COSMO/SkyMed" (development of Imaging and Monitoring Methodologies based on SAR C/S data). Unit coordinator at EUCENTRE.
  - Agenzia Spaziale Italiana "PMI" project VULSAR: "integration of optical and radar remotely sensed data for seismic damage assessment". Unit coordinator at EUCENTRE.
  - GEM-IDCT (2010-2013): Global Earthquake Model - Inventory Data Capture Tools. Unit coordinator.
  - Italian Space Agency, Project ID 2120 (2010-2011): COSMO/SkyMed and security of citizens: feasibility of a satellite-based damage mapping system. Scientific coordinator
  - German Aerospace Agency AO TSX project LAN 1240 (2011-2013): spaceborne-radar-based seismic damage assessment. Scientific coordinator
  - National call PRIN 2009: "Sviluppo di un radar di immagine ad alta risoluzione per applicazioni automotive in condizioni di visibilità critiche" (development of an automotive radar). Unit coordinator.
  - FP7 MARSITE (2012-2015): Implementation of the GEO SuperSite Concept on the Marmara Region (Grant agreement n. 308417). Unit coordinator at EUCENTRE.
  - FP7 SENSUM (2013-2014): Multi-risk vulnerability monitoring and modeling (Grant agreement no: 312972). Unit coordinator at EUCENTRE.
  - H2020 MSCA-RISE "EOXPOSURE" (grant agreement n. 734541). Principal Investigator (2017 - 2021)
  - NextGenerationEU "NODES" (Nord-Ovest Digitale E Sostenibile). Innovation and Tech Transfer in Agricultural Remote Sensing. Funded by the Italian Ministry of University and Research – M4C2 1.5, grant agreement no. ECS00000036" (2022-2026)
  - NextGenerationEU "NQSTI" (National Quantum Science and Technology Institute). R&D in quantum science and technology. Funded by the Italian Ministry of University and Research – M4C2 1.5, I.D. PE0000023
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