

# CURRICULUM VITAE



## PERSONAL INFORMATION

NAME/SURNAME

**MARIA GRAZIA ALBANESI**

ADDRESS

Phone

Fax

E-mail

Nationality

Italian

Date of Birth

13-03-1962

Gender

F

## WORK EXPERIENCE

- Dates (from - to)
- Name and address of the employer
  - Type of business or sector
  - Occupation or position held
- Main activities and responsibilities

March 1, 2024- until today

After concluding her professional activity at the University of Pavia and retiring, Maria Grazia Albanesi currently dedicates herself to writing articles and books, as well as to scientific outreach through interventions on two main strands: (a) environmental and social sustainability, stemming from her previous academic work; and (b) enhancing individual well-being and quality of life, based on her personal experiences in various fields of interest cultivated such as sports, music, and gardening. She is part of the Editorial Board of the thematic portal [scuola-e-cultura.it](http://scuola-e-cultura.it).

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NOVEMBER 1, 1998-February 29, 2024

University of Pavia

University Education and Research

Associate Professor

Teaching activity: Professor of institutional courses at the Faculties of Engineering and Economics of the University of Pavia. In the last academic year, Professor of the Digital Content Retrieval course (12 credits) for the master's degree in Computer Engineering (international degree).

Research activity: in the IT sector, research in the field of image processing, mainly with multi-resolution and pattern recognition techniques. The research is aimed at developing efficient algorithms, techniques and solutions for the analysis of visual data, the representation of information and the creation of knowledge bases. The main applications are in the field of quality assessment and similarity between digital images and, more recently (since 2014), in that of environmental computational sustainability (in collaboration with researchers in Life Sciences, with a multidisciplinary approach).

<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and address of the employer <ul style="list-style-type: none"> <li>• Type of business or sector</li> </ul> </li> <li>• Occupation or position held <ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul> </li> </ul>	<p>1992-1997  University of Pavia  Research  Full Researcher  Educational activity as substitute in charge of institutional courses  Research activities in the field of processing, analysis and compression of digital images.</p>
<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and address of the employer <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>1988-1989  University of Pavia  Research  Research Fellow  Educational activity as a support trainer for institutional courses, research activities in the field of image processing (development of algorithms and mapping on dedicated architectures)</p>
<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and address of the employer <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>1986-1987  ST Microelectronics (former SGS), In (Agrate Brianza (Milan, Italy)).  Microelectronic Company  Research and Development  Mapping of architectures to silicon using Silicon Compiler.</p>
<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and address of the employer <ul style="list-style-type: none"> <li>• Type of business or sector</li> <li>• Occupation or position held</li> </ul> </li> <li>• Main activities and responsibilities</li> </ul>	<p>1986  CILEA  Consorzio Interuniversitario Lombardo – Calcolo ad alte prestazioni, tecnologia dell'informazione e della comunicazione  Programmer / Analyst  Software analysis and user support.</p>

## EDUCATION AND TRAINING

<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered <ul style="list-style-type: none"> <li>• Title of qualification awarded</li> <li>• Level in national or international classification (if relevant)</li> </ul> </li> </ul>	<p>1989-1992  University of Pavia  Image processing and compression, digital image quality assessment.  Dottorato di ricerca in Ingegneria Elettrica, Elettronica e Informatica  International qualification: Ph. D.</p>
<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training <ul style="list-style-type: none"> <li>• Title of qualification awarded</li> </ul> </li> </ul>	<p>1981-1986  University of Pavia, Faculty of Engineering  Master's Degree in Computer Science</p>
<ul style="list-style-type: none"> <li>• Dates (from - to)</li> <li>• Name and type of organisation providing education and training <ul style="list-style-type: none"> <li>• Title of qualification awarded</li> </ul> </li> </ul>	<p>1973- 1985  Franco Vittadini Music Institute (Pavia) and Giuseppe Verdi Conservatory (Milan)  Musical Theory and Solfeggio, Main Piano, Complementary Harmony</p>

## PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.*

### FIRST LANGUAGES

### OTHER LANGUAGES

- Reading Skill
- Writing Skill
- Oral Expression Skill

### SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

### ORGANISATIONAL SKILLS AND COMPETENCES

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc*

### TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of equipment, machinery, etc.*

### ARTISTIC SKILLS AND COMPETENCES

*Music, writing, design, etc.*

### OTHER SKILLS AND COMPETENCES

*Competences not mentioned above.*

### DRIVING LICENCE(S)

## ADDITIONAL INFORMATION

## ANNEXES

## ITALIAN

### ENGLISH

EXCELLENT  
EXCELLENT  
VERY GOOD

I WORK IN A RESEARCH TEAM AT NATIONAL AND INTERNATIONAL LEVEL TECHNOLOGICAL TRANSFER GROUP COORDINATION BETWEEN THE DEPARTMENT OF INDUSTRIAL AND INFORMATION ENGINEERING AND ITALIAN COMPANIES IN THE DIGITAL MEDIA SECTOR.  
CHORAL ARTISTIC ACTIVITY

COORDINATION OF INSTITUTIONAL AND MASTER COURSES AT THE UNIVERSITY OF PAVIA AND INTERNATIONAL COMPANIES; RESEARCH PROJECTS COORDINATION; WEBSITE MANAGEMENT, SOCIAL MEDIA DIRECTOR;

ORGANIZATION OF INTERNATIONAL CONFERENCES, WORKSHOPS AND SEMINARS.

HEAD OF THE MULTIDISCIPLINARY RESEARCH UNIT "COMPUTATIONAL SUSTAINABILITY UNIT", FOUNDED AT THE UNIVERSITY OF PAVIA IN 2014.

C AND MATLAB PROGRAMMING, WEBSITE DESIGN AND MANAGEMENT, SOCIAL NETWORK DESIGN AND MANAGEMENT. TRANSLATION OF BOOKS FROM ENGLISH. FUNDAMENTALS OF PROJECT MANAGEMENT.

MAIN PIANO, SONG (SOPRANO REGISTER).  
WRITING OF BOOKS (TECHNICAL AND DIVULGATIVE), OF ARTICLES FOR THE WEB, OF ENCYCLOPEDIA ITEMS, COMPOSITION OF MUSIC FOR PIANO.

GARDENING (PROJECT OF GARDENS AND GREEN SPACES).  
SPORTS (AGONISTIC LEVEL): ATHLETICS (UNTIL 2016) AND CHESS (PARTICIPATION IN INTERNATIONAL FIDE TOURNAMENTS).  
SPORTS PRACTICED AT AMATEUR LEVEL: RUNNING (SINCE 2017), SWIMMING.

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