

# EUROPASS CURRICULUM VITAE



## PERSONAL INFORMATION

Name/Surname

E-mail

## CURRENT POSITION

- Dates
- Occupation or position held
- Name and address of employer
- Type of business or sector
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## WORK EXPERIENCE

- Dates
- Occupation or position held
- Name and address of employer
- Type of business or sector
- Dates
- Occupation or position held
- Main activities and responsibilities
- Name and address of employer
- Type of business or sector
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## REPLACEMENT DECLARATION OF CERTIFICATION (art.46 and 47 D.P.R. 445/2000)

The undersigned, aware that false declarations involve the application of the criminal sanctions provided for by art. 76 of the Presidential Decree 445/2000, declares that the information contained in the following curriculum vitae, drawn up in European format, corresponds to the truth:

**Benedetta Amicizia**

[bamicizia@gmail.com](mailto:bamicizia@gmail.com); [benedetta.amicizia@unibo.it](mailto:benedetta.amicizia@unibo.it); [benedetta.amicizia@uniurb.it](mailto:benedetta.amicizia@uniurb.it)

**March 2024 – present**

**Research fellow in Modeling and Valuation of Financial Instruments for Climate and Energy Risk Mitigation**

Department of Statistical Sciences "Paolo Fortunati" - University of Bologna  
Via Belle Arti, 41 - Bologna, Italy  
University

**September 2024 – present**

**Teaching assistant in Mathematics (93095) - 10 cfu, A.Y. 2024/2025**

Department of Statistical Sciences "Paolo Fortunati" - University of Bologna - Rimini Campus  
Piazzetta Teatini 10 - Rimini, Italy  
University

**September 2019 – March 2024**

**Teacher of Mathematics and Physics (A-27) and Mathematics (A-26)**

Istituto "Della Rovere" – Via Garibaldi, 63 - 61049 Urbino (PU), Italy  
Upper Secondary School - Technical Institute

**October 2018 – October 2021**

**Subject expert ("Cultore della materia") in General Mathematics (SECS-P/07)**

Educational activities, seminars, research and collaboration with the Department of Economics, Society and Politics of the University of Urbino - area of mathematical research (Interval Analysis: Theory and Applications)  
Department of Economics, Society and Politics - School of Economics - University of Urbino - Via Saffi, 2 - 61029 Urbino (PU), Italy  
University

**October 2011 – September 2019**

**Lecturer of the Supplementary course of the official teaching of General Mathematics (SECS-S/06 - Mathematical methods of economy, finance and actuarial sciences), A.Y. 2011/2012, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019**

Teaching support activities: Pre-courses - Exercises for the written test

Department of Economics, Society and Politics - School of Economics - University of Urbino - Via Saffi, 2 - 61029 Urbino (PU), Italy  
University

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#### **September 2013 – August 2019**

##### **Teacher of Mathematics and Physics (A049)**

Member of the executive staff; Coordinator and Secretary of Class Teachers Council; Contact person for student orientation; Member of the State Exams Commission  
 Liceo Scientifico e delle Scienze Umane "Laurana - Baldi" - Via Pacioli - 61029 Urbino (PU), Italy  
 Upper Secondary School – Liceo Scientifico

#### **October 2006 – June 2020**

##### **Collaborator / Lecturer**

Organizing seminars and planning activities focused on the realization of interdisciplinary conferences for high school students  
 Department of Economics, Society and Politics - University of Urbino - Via Saffi, 2 - 61029 Urbino (PU), Italy & Pristem Center - Bocconi University - Via Sarfatti, 25 - 20136 Milan, Italy  
 University

#### **August 2012 – September 2014**

##### **Lecturer at "OLIFIS ER-Marche Summer School of Physics Excellence" for the editions:**

2014: Balze di Verghereto (FC), 01 - 06 September 2014 - Wave and Acoustics module  
 2013: Fognano (RA), 02 - 07 September 2013 - Module of Geometric Optics  
 2012: Fossombrone (PU), 27 August - 01 September 2012 - Wave Optics Module  
 Teaching activities, seminars - exercises for the national test of the physics Olympics  
 Department of Physics and Astronomy, University of Bologna - Viale Berti Pichat 6/2 – 40127 Bologna (BO), Italy  
 University

#### **September 2012 – August 2013**

##### **Teacher of Mathematics and Physics (A049)**

Coordinator and Secretary of Class Teachers Council; Member of the School Disability Working group (GLHI)  
 Liceo Artistico "Scuola del Libro" - Via Bramante, 20 - 61029 Urbino (PU), Italy  
 Upper Secondary School – Liceo Artistico

#### **September 2004 – August 2012**

##### **Teacher of Mathematics and Physics (A049)**

Member of the executive staff; Coordinator and Secretary of Class Teachers Council; Contact person for student orientation; Member of the State Exam commission; Head of the Physics Laboratory; Member of the Institute's Self-Assessment Commission (AUMI); Member of the Reform and Experimentation Monitoring Group  
 Istituto Omnicomprensivo "Montefeltro" - Via Giusti - 61028 Sassocorvaro (PU), Italy  
 Upper Secondary School - Liceo Scientifico

#### **June 2008 – July 2008**

##### **External member of the State Exam Commission for Mathematics and Physics (A049)**

Istituto Istruzione Superiore "Donati" – Via Don Bosco, 7 – 61034 Fossombrone (PU), Italy  
 Upper Secondary School - Liceo Scienze della Formazione

#### **September 2002 – June 2004**

##### **Teacher of Mathematical, Chemical, Physical and Natural Sciences (A059)**

Istituto Comprensivo "Bramante" - Via Carducci, 2 - 61033 Fermignano (PU), Italy  
 Middle Secondary School

#### **September 2002 – June 2004**

##### **Teacher of Applied Mathematics (A048)**

Istituto Istruzione Superiore "Della Rovere" – Via Garibaldi, 63 – 61049 Urbania (PU), Italy  
 Upper Secondary School – Istituto Tecnico Commerciale

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## EDUCATION AND TRAINING

- Dates
- Title of qualification awarded
- Main subjects / occupational skills

- Providing organisation

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### September 2003 – December 2003

#### Teacher of Mathematics and Physics (A049)

Coordinator and Secretary of Class Teachers Council

Istituto Istruzione Superiore “Celli” – Via Giovanni Santi, 23 – 61043 Cagli (PU), Italy

Upper Secondary School – Istituto Statale d’Arte

### November 2001 – June 2002

#### Teacher of Mathematical, Chemical, Physical and Natural Sciences (A059)

Istituto Comprensivo “Mattei” - Via Kennedy, 21 - 61041 Acqualagna (PU), Italy

Middle Secondary School

### September 1998 – June 1999

#### Teacher of Mathematics and Physics (A049)

La Nuova Scuola - Via Napoli, 40 - 61121 Pesaro (PU), Italy

Upper Secondary School - Liceo Classico “G. L. Storoni”

### September 1998 – June 1999

#### Teacher of Mathematical, Chemical, Physical and Natural Sciences (A059)

La Nuova Scuola - Via Napoli, 40 - 61121 Pesaro (PU), Italy

Middle Secondary School “Campanini”

### June 1998 – July 1998

#### External member of the State Exam Commission for Mathematics (A047)

I.T.I.S. “Mattei” – Via Pacioli, 22 – 61029 Urbino (PU), Italy

Upper Secondary School – Istituto Tecnico Industriale

### 2023

#### PhD in Research Methods in Science and Technology

ACADEMIC DISCIPLINES: MAT/02 (Algebra), MAT/05 (Mathematical analysis), SECS-S/06 (Mathematical methods of economy, finance and actuarial sciences)

Dissertation title: “Recent and New Perspectives in Interval Analysis”

University of Urbino, Italy - Department of Pure and Applied Sciences

### 2014

#### Certificate of attendance - Italian Teacher Programme 2014 (AIF - INFN)

Astrophysics / Magic experiment / TNG telescope / Micro-Macro project: the sky, how to observe and study it in its many aspects

Roques de Los Muchachos Astronomical Site (La Palma - Canary Islands, Spain)

### 2013

#### Certificate of Attendance C.L.I.L. - Content and Language Integrated Learning - L.L.P. (Lifelong Learning Programme Italia COMENIUS 2.2)

Methodology and language for teachers who teach Science, Maths or Technical subjects “bilingually” in English at Secondary Level

International Study Programmes - The Manor, Hazleton, Cheltenham, Gloucestershire, England

### 2013

#### Certificate of attendance - Italian Teacher Program 2013 (AIF - INFN - CERN Education)

Particle physics / Micro-Macro project: Particle accelerators and detectors for a better understanding of nuclear physics and their application developments

CERN – Geneva, Switzerland

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**2011**

**Certificate of attendance - Italian Teacher Program 2011 (AIF - CERN Education)**

Particle physics / European programs for teachers: The European CERN laboratory and elementary particle physics  
CERN – Geneva, Switzerland

**2011**

**Relational Counselor Diploma (Graphodynamic Orientation)**

Counseling; graphology  
S.S.I.Co.L.G. (Italian Scientific Society of Graphic Language Consultants) - Three-year School of Counseling - Urbania (PU), Italy

**2009**

**ESOL Certificate – Level B2 (Vantage)**

English language  
British Institutes – Milan Centre, Italy

**2009**

**First-level Master's degree in "Education Technologies" (60 credits)**

Computer science applied to teaching, Disciplines for teaching  
Guglielmo Marconi University – Rome, Italy

**2008**

**First-level Master's degree in "Theory and methodology of evaluation in schools" (60 credits)**

Docimology, Disciplines for teaching  
Guglielmo Marconi University – Rome, Italy

**2007**

**Annual Post-graduate Specialization Course in "Methodological teaching models"**

General teaching: planning, metacognitive learning, individualized learning  
University of Urbino, Italy - Department of Humanities

**2006**

**Annual Post-graduate Specialization Course in "Operational foundations of teaching"**

General teaching: individualized teaching, planning teaching, metacognitive teaching  
University of Urbino, Italy - Department of Humanities

**2005**

**Annual Post-graduate Specialization Course in "General Didactics"**

General teaching: metacognition, individualization, didactics of planning  
University of Urbino, Italy - Department of Humanities

**2002**

**Specialization Degree for Teaching in Secondary School - qualification class: Mathematics and Physics (120 credits)**

Mathematics, Physics, Computer Science, Psycho-pedagogical disciplines  
University of Bologna, Italy - School of Specialization for Secondary Teaching

**2000**

**Teaching qualification degree for: Mathematical, Chemical, Physical and Natural Sciences in Middle Secondary School**

Mathematics, Physics, Chemistry, Natural Sciences  
MIUR - Regional school office for Le Marche – Ancona, Italy

- Dates
- Title of qualification awarded
- Main subjects / occupational skills
- Providing organisation

## ADDITIONAL INFORMATION

### PRESENTATIONS AT SEMINARS, CONFERENCES AND WORKSHOPS

1998

#### Degree in Mathematics - Italian master-level degree

Mathematics, Physics, Computer Science

Dissertation title: "Il Gruppo di Brauer di un Campo" - MAT/02 (Algebra)

University of Bologna, Italy - Department of Mathematics

- "Modelling the Impact of Climate Variables on Agriculture", EFIC 2025 – International Conference in Banking and Corporate Finance, Rimini, Italy, June 26-27 2025
- "Effects of climate change in agriculture", Workshop on Modeling and Valuation of Financial Instruments for Climate and Energy Risk Mitigation - Alma Mater Studiorum University of Bologna, Rimini Campus, February 20, 2025
- "New Perspectives in Interval Analysis for ESG data", AMASES 2024 - The XLVIII annual conference of the Association for Mathematics Applied to Social and Economic Sciences - Ischia, September 5-7, 2024
- "Introduction to Interval Analysis with applications in decision-making under uncertainty", Seminar Series, School of Economics, DESP - University of Urbino, May 20, 2021
- "Aritmetica con dati intervallari e applicazioni alle decisioni con incertezza", Virtual Seminar Series organized by the School of Economics, DESP - University of Urbino, May 05 2020
- "Analisi intervallare e problemi di scelta", Seminar Series, School of Economics, DESP - University of Urbino, April, 10, 2019

### ADDITIONAL RELEVANT TRAINING COURSES

- ✓ Training Course in Modern Physics: "2016 Physics Meetings" at the National Laboratories of Frascati of the National Institute of Nuclear Physics, Frascati (RM), Italy – October 5-7, 2016
- ✓ Training Course: "The Science of Space" at the ESA-ESRIN offices in Frascati and ASI in Tor Vergata - Rome, Italy – September 15-16, 2016
- ✓ Summer School of Astronomy: "The living Cosmos: the search for life in the Universe", organized by the Italian Astronomical Society in collaboration with the M.I.U.R. at the Villa del Bali Foundation, Saltara (PU), Italy – July 16-18, 2013
- ✓ Summer School of Astronomy: "From Astronomy to Astrophysics", organized by the Italian Astronomical Society in collaboration with the M.I.U.R. at the Villa del Bali Foundation, Saltara (PU), Italy – July 17-19, 2012

### ADDITIONAL EXPERIENCES

- ✓ Member of the Local Organising Committee of EFIC 2025 (Essex Finance Centre) – International Conference in Banking and Corporate Finance, Rimini, Italy, June 26-27 2025
- ✓ Member of TOLC examination board, monitoring and management of virtual classrooms during the tests, DiSPeA - University of Urbino, Spring and Autumn Sessions, a.y. 2020/2021
- ✓ Member of selection commission for the "Summer School of Physics" Olifis: ER-Marche 2012 - Association for the Teaching of Physics (AIF) Bologna and G. Occhialini Foundation

**PERSONAL SKILLS**

MOTHER TONGUE

**ITALIAN**

Foreign language(s)

English

Self-assessment

*European level (\*)***English**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

(\*) [\*Common European Framework of Reference for Languages\*](#)

COMMUNICATION SKILLS

EXCELLENT EMPATHIC AND RELATIONAL SKILLS ACQUIRED THROUGH THE VARIOUS PROFESSIONAL EXPERIENCED AND TRAINING LISTED ABOVE .

ORGANISATIONAL / MANAGERIAL  
SKILLS

STRONG ORGANIZATIONAL AND MANAGERIAL SKILLS ACQUIRED THROUGH THE DIFFERENT PROFESSIONAL EXPERIENCED AND TRAINING LISTED ABOVE.

JOB-RELATED SKILLS

FINE TECHNICAL COMPETENCES ACQUIRED THROUGH THE DIFFERENT PROFESSIONAL EXPERIENCED AND TRAINING LISTED ABOVE.

DRIVING LICENCE

Type B

## PUBLICATIONS

- L. Sorini, M.L. Guerra, B. Amicizia, M. Shahidi, L. Stefanini, "Fuzzy-Valued Functions Calculus Through Midpoint Representation" – **Mathematics**, 2025, 13, 2543; DOI: 10.3390/math13162543
- B. Amicizia, M.L. Guerra, M. Shahidi, L. Sorini, L. Stefanini, "Midpoint representation of fuzzy valued functions and applications" - **2020 IEEE International Conference on Fuzzy Systems** (FUZZ-IEEE), 2020, pp. 1 – 8, IEEE Service Center, Piscataway, NJ 08855-1331 DOI: 10.1109/FUZZ48607.2020.9177808
- L. Stefanini, L. Sorini, B. Amicizia, "Interval Analysis and Calculus for Interval-Valued Functions of a Single Variable. Part II: Extremal Points, Convexity, Periodicity" - **Axioms**, 2019, 8, 114, DOI: 10.3390/axioms8040114
- L. Stefanini, M.L. Guerra, B. Amicizia, "Interval Analysis and Calculus for Interval-Valued Functions of a Single Variable. Part I: Partial Orders, gH-Derivative, Monotonicity" - **Axioms**, 2019, 8, 113, DOI: 10.3390/axioms8040113
- B. Amicizia *et al.* "Il cielo, come osservarlo e studiarlo nei suoi molteplici aspetti" (progetto Micro-Macro 2014-2015) – *Luce sulla fisica. Atti del LIV Congresso Nazionale AIF*, Trento, 2015 - **La Fisica nella Scuola** (Bollettino trimestrale dell'Associazione per l'Insegnamento della Fisica) – supplemento al n°2 Anno XLIX, aprile/giugno 2016, pp. 113-128. ISSN: 1120-6527
- B. Amicizia *et al.* "Acceleratori di particelle e rilevatori per una migliore comprensione della fisica subnucleare, e i loro sviluppi applicativi" (progetto Micro-Macro 2013-2014) – *Fisica, strumenti per pensare. Atti del LIII Congresso Nazionale AIF*, Perugia, 2014 – **La Fisica nella Scuola** (Bollettino trimestrale dell'Associazione per l'Insegnamento della Fisica) – supplemento al n°3 Anno XLVIII, luglio/settembre 2015, pp. 27-38. ISSN: 1120-6527
- B. Amicizia, "Un modello dinamico per descrivere l'andamento dei prezzi" - **Nuova Secondaria** (Editrice La Scuola, Brescia) - n°6 Anno XXVI, 15 Marzo 2009, pp. 36-41. ISSN: 1828-4582
- B. Amicizia, "Introduzione elementare alle Algebre non commutative e cenni al gruppo di Brauer" - **Innovazione Scuola** (Editore IRRSAE Marche, Ancona) - n°1 gennaio/febbraio 1999, pp. 20. ISSN: 1126-9944

I hereby authorize the processing of the personal data contained in this file in compliance with the Italian Personal Data Protection Code (Legislative Decree no. 196 of 30 June 2003)

Urbania, August, 9, 2025

Benedetta Amicizia