



# Europass Curriculum Vitae



## Personal information

First name(s) / Surname(s) **DEMIS BALLIS**

Address Ufficio Stecca Sud 14,  
Dipartimento di Scienze Matematiche, Informatiche e Fisiche  
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Date of birth 11/03/1975

## Work experience

Dates Dec 1<sup>st</sup>, 2022 - present  
University of Udine  
SSD INF/01  
Role Associate Professor

Dates Feb 17<sup>th</sup>, 2005 – Nov 30<sup>th</sup>, 2022  
University of Udine  
SSD INF/01  
Role Assistant Professor

## Education and training

Dates 2001-2004  
Title of qualification awarded PhD in Computer Science  
(Double degree program University of Udine and Technical University of Valencia)

Dates 1994-2001  
Title of qualification awarded Master Degree in Computer Science (University of Udine, 110/110 cum laude)

## Personal skills and competences

University teacher (Bachelor's degree in Multimedia Science and Technology). Research activity in the following areas: formal methods, program transformation and optimization.

Mother tongue(s) **Italian**

Other language(s)

Self-assessment  
*European level* (\*)

**English**

**Spanish**

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Very good	Excellent	Very good	Very good	Excellent	
Excellent	Excellent	Excellent	Excellent	Excellent	

## Institutional positions held in university

Erasmus+ delegate for the Multimedia and Web Technology course, University of Udine.

Erasmus+ agreement coordinator for the following Erasmus+ destinations:

- Instituto Politecnico de Coimbra, Portugal
- Universidad Politécnica de Valencia - Campus de Gandía, Spain
- NHL-Stenden University, The Netherlands

Member of CAQ (Commissione Assicurazione della Qualità) of the Multimedia and Web Technology course, University of Udine.

Member of Commissione Piani di Studio e Pratiche Studenti, University of Udine.

## Scientific publications

I published more than 50 articles in International, peer-reviewed journals and conferences in the following areas:

- Rewriting logic and Maude
- Verification and correction of XML data
- Formal specification and verification of Web applications
- Information filtering
- Access control models
- Program transformation and optimization

All the publications are available at the IRIS web platform.

## Research projects and/or groups

I am a member of the Extensions of Logic Programming (ELP) group of the Valencian Research Institute for Artificial Intelligence (VRAIN). I contributed more than 40 articles, published in international refereed, journals and conferences, to the research activity of the group. Also, I promoted and opened new group research areas. Currently, I am the leader of the following ELP research lines

- Formal verification of web systems
- Dynamic analysis of complex systems
- Slicing techniques for program analysis and optimization

Within the mentioned research lines, I co-advised three PhD thesis.

I authorize the processing of my personal data in accordance with Article 13 of Legislative Decree No. 196 of June 30, 2003 – “Code regarding the protection of personal data” and Article 13 of the GDPR 679/16 – “European Regulation on the protection of personal data”