

## PERSONAL INFORMATION

Alberto Cabri



Gender | Date of birth 1 August 1965

## WORK EXPERIENCE

November 2017 – Present

### Founding Partner

Vega Research Laboratories  
Genoa

Co-founder of an innovative start-up for industrial application of Artificial Intelligence and other leading-edge disruptive technologies, in partnership with Prof. Francesco Masulli (University of Genoa) and Prof. Stefano Rovetta (University of Genoa).

September 2016 – Present

### Tenured teacher

Ministry of Public Education  
Genoa

Teacher of Computer Science at Istituto Majorana–Giorgi (secondary school), based in Genoa.

September 2015 – Present

### Tutor / Independent Consultant

University of Genoa

C/C++ language tutor for programming courses at the Computer Science department for biomedical engineering.

Independent consultant for the development of a C# clustering solution of biometric data for a Health application.

Tutor and laboratory assistant for the well-being technologies and strategic engineering master degree courses at DIBRIS.

Design and development of client-server solutions for edge acquisition of audio streams or other sensor data and transfer to a remote storage over TCP/MQTT.

Development and deployment of artificial intelligence algorithms and tutorials on GPU accelerated systems and edge computing devices.

Tutor for the development of Android applications in well-being technologies and a client-server architecture for storing remote sensors data, with web interface for data inquiry.

August 2006 – December 2017

### Co-founder / CEO

Flashover Time Srl  
Genoa

Co-founder and CEO for the whole timeframe.

Technical director for the creation of an innovative watch for emergency operators (patented in Italy), whose project was partially funded by Italian Government.

August 2006 – September 2016

### Temporary supply teacher

Ministry of Public Education  
Genoa

Teacher of Electronics, Automation Systems, Maths, Physics and Computer Science at various public secondary schools.

2003 – 2006

### Business Development Manager / Process Manager

Computer Science Corporation  
Milan

Responsible for the deployment of a proprietary software maintenance procedure across SE-MEA region.

Pre-sales support activity in Consulting Department for IT Services and Solutions (outsourcing, AVM, EAI, BPR) and IT Security (Privacy, BS7799, ISO/IEC 17799, SSE-CMM).

Responsible for the development of technical proposals across various industries (oil & gas, aerospace, healthcare, banking), ranging from 100k to 4M euros.

Transition manager for critical processes of Marconi Communications IT outsourcing contract.

2001 – 2002

### Business Development Manager

Infofer Srl  
Milan

Responsible for the Business Development Function, staffing the Area Director, for developing a new offering in Banking.

2000 – 2001

### Project Manager

Marconi Communications  
Genoa

Sole responsible for project management of the Italian team of Network and Element Manager division, overseeing and scheduling the activities of more than 90 professionals, liaising with internal and external stakeholders in order to keep the deadlines.

1992 – 2000

### Team Leader / Software Developer

Elsag  
Genoa

Initially, developer of C language programs on Unix platforms and then leader of a user interface development team.

## EDUCATION AND TRAINING

November 2017 – January 2020

### PhD in Computer Science and Systems Engineering

Thesis Title: 'A quantum-inspired approach for time series classification'

University of Genoa, Italy

- machine learning
- time series analysis and classification
- neural networks
- deep learning
- multi objective optimization
- quantum computing

## 2012 – 2013 Teaching Qualification in Computer Science and ICT

University of Genoa, Italy

- operating systems
- software development lifecycle
- computer programming
- databases
- networking
- system architectures
- information security
- CLIL methodology

## November 1985 – April 1992 Master degree in Electronic Engineering

University of Genoa, Italy

Thesis Title: 'Multimedia workstation for image processing on a RISC architecture'

- electronics
  - applied computing
- Final mark: 102/110

### PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Russian	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference (CEF) level

Communication skills

- team work: I am used to working in teams across different countries
- mediating skills: proven track record in negotiation, conflict management
- intercultural skills: I am experienced at working and teaching in international contexts

Organisational / managerial skills

- resource management: I managed large software development teams
- good negotiation skills

Conferences

- speaker at EDMA 2018 (Exeter, UK, 2018)
- member of the organizing committee for DeepLearn2018 (Genoa, Italy, July 2018)
- member of the organizing committee for WILF2018 (Genoa, Italy, September 2018)
- member of scientific committee at ICAIH 2019 (Milan, Italy, 2019)
- paper reviewer for IJCNN 2019 (Budapest, Hungary, 2019)
- paper reviewer for IEEE MELECON 2020 (Palermo, Italy, 2020)
- paper reviewer for IJCNN 2020 (Glasgow, UK, 2020)

Patents

Owner of italian patent nr. 0000275761 for an antistatic thermo-resistant professional watch for emergency operators

Other skills

- autonomy
- flexibility
- proactiveness

Driving licence A, B

Military Service Performed in *Arma dei Carabinieri* (1986–1987), during university education.

Personal interests

- aikido
- guitar
- Blender 3D modeling
- Video editing and image processing

Publications

Stefano Rovetta, Alberto Cabri, Francesco Masulli, and Grażyna Suchacka. Bot or not? a case study on bot recognition from web session logs. In *Italian Workshop on Neural Nets*, pages 197–206. Springer, 2017

A. Cabri, G. Suchacka, S. Rovetta, and F. Masulli. Online web bot detection using a sequential classification approach. In *20th International Conference on High Performance Computing and Communications; IEEE 16th International Conference on Smart City; IEEE 4th International Conference on Data Science and Systems (HPCC/SmartCity/DSS)*, pages 1536–1540, 6 2018

G. Suchacka, A. Cabri, S. Rovetta, and F. Masulli. Efficient on-the-fly web bot detection. *IEEE Transactions on Knowledge and Data Engineering*, 2019. Under review

A. Cabri, F. Masulli, and S. Rovetta. A quantum-inspired classifier for early decision making, 8 2019. Under review

Amr Abdullatif, Francesco Masulli, Stefano Rovetta, and Alberto Cabri. Graded possibilistic clustering of non-stationary data streams. In *International Workshop on Fuzzy Logic and Applications*, pages 139–150. Springer, 2016

Stefano Rovetta, Francesco Masulli, and Alberto Cabri. Measuring clustering model complexity. In *International Conference on Artificial Neural Networks*, pages 434–441. Springer, 2017

T Valls Mataró, Francesco Masulli, Stefano Rovetta, Alberto Cabri, C Traverso, E Capris, and S Torretta. An assistive mobile system supporting blind and visual impaired people when are outdoor. In *3rd International Forum on Research and Technologies for Society and Industry (RTSI)*, pages 1–6. IEEE, 2017

Stefano Rovetta, Francesco Masulli, and Alberto Cabri. The “probabilistic rand index”: A look from some different perspectives. *Italian Workshop on Neural Nets*. in press

Stefano Rovetta, Zied Mnasri, Francesco Masulli, and Alberto Cabri. Emotion recognition from speech signal using fuzzy clustering. In *Conference of the International Fuzzy Systems Association and the European Society for Fuzzy Logic and Technology (EUSFLAT 2019)*. Atlantis Press, 08 2019

Rovetta, Stefano and Mnasri, Zied and Masulli, Francesco and Cabri, Alberto Emotion Recognition from Speech: An Unsupervised Learning Approach. In *International Journal of Computational Intelligence Systems*. Atlantis Press, 2020

Rovetta, Stefano and Suchacka, Grażyna and Cabri, Alberto and Masulli, Francesco Feature selection: a multi-objective stochastic optimization approach. In *6th International Conference on Optimization and Applications (ICOA)*, pages=1–5, IEEE, 2020

Privacy

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