

**Updated**  
**February 24, 2025**

## Personal information

Name / Surname	<b>Viviana Bono</b>
Address	Dipartimento di Informatica of the University of Torino - Corso Svizzera 185, 10149 Torino (TO), Italy
Telephone	+39 011 6706733      Mobile: +39 3493244008
Fax	+39 011 751603
Professional Email	viviana.bono@unito.it
Home page	<a href="https://informatica.unito.it/do/docenti.pl/Alias?viviana.bono">https://informatica.unito.it/do/docenti.pl/Alias?viviana.bono</a>
Skype	viviana.bono
Nationality	Italian
Date of birth	February 29th, 1968
Gender	Female

## Work experience

Dates	<b>January 2005 - present</b>
Occupation or position held	Associate Professor in Computer Science
Main activities	Scientific research, Teaching, Administration
Name and address of employer	University of Torino - via Verdi 8, 10124, Torino (TO), Italy
Dates	<b>January 2000 - December 2004</b>
Occupation or position held	Researcher in Computer Science
Main activities	Scientific research, Teaching, Administration
Name and address of employer	University of Torino - via Verdi 8, 10124, Torino (TO), Italy
Dates	<b>January 1999 - December 1999</b>
Occupation or position held	Lecturer in Computer Science
Main activities	Scientific research, Teaching, Administration
Name and address of employer	The University of Birmingham, Birmingham B15 2TT, UK

## Education and training

Dates	<b>September 1994 - September 1998</b>
Degree	PhD in Computer Science
Title of the thesis	<i>Type systems for the object-oriented paradigm</i>
University	University of Torino, Italy
Dates	<b>September 1994 - July 1995</b>
Degree	Diplôme d'études approfondies (DEA) en Mathématiques discrètes
University	Université d'Aix-Marseille - Site Luminy, Marseille, France
Dates	<b>October 1987 - February 1993</b>
Degree	Laurea in Computer Science, Cum laude (Master degree)
University	University of Torino, Italy

## Personal skills and competences

Mother tongue	<b>Italian</b>
Other language(s)	

*Self-assessment  
European level<sup>(\*)</sup>*

**English**  
**French**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
C1	C1	C1	B2	A2

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

Present teaching

Object-oriented programming in Java, Haskell and related correctness proof techniques, Introduction to Computer science and basic programming in Javascript to Art-and-Media students.

Past teaching

Software engineering, Databases, Programming in Pascal, Basic C to Mathematics students, the Microsoft suite to Psychology students, Foundations of Computer science to Media design students.

Administration

External stage committee (member), English exams organisation and supervision committee (member), committee for relationships with industries (member), "Riesame per la Laurea triennale e la laurea magistrale" committee (as the main responsible of the quality of the teaching).

Master and bachelor students supervised

Around 150 Bachelor and Master thesis supervised (mainly of CS students, some of Maths students and Art-and-Design students).

**Research**

ORCID

0000-0002-2533-0511

Research interests

Foundations of programming languages, Type systems for object-oriented and concurrent languages, Formalisation of creativity.

Conference committees (recent)

Italian Conference on Theoretical Computer Science (ICTCS) 2025, European Symposium On Programming (ESOP) 2021, European Symposium On Programming (ESOP) 2018, Object-oriented Programming, Systems, Languages, and Applications (OOPSLA) 2017, ACM/SIGAPP Symposium On Applied Computing (SAC; OOPS track) 2016, European Conference on Object-Oriented Programming (ECOOP) 2015.

Funded projects (recent)

TANDANS, Compagnia di San Paolo - Bando ex-post, 2018-2022 (50k euros, principal investigator). Project PRIN 2022 n. 2022LB7WKJ Artificial Intelligence and multi-brain connectivity as a buddy to Enhancing Competencies in students - Class-tAIs - CUP D53D23008720006 (member)

PhD students

Silvia Likavec (co-tutelle with Pierre Lescanne, École Normale Supérieure, Lyon, France), 2001-2004. Jarek Kusmieriek (co-advisor: Pawel Urzyczyn, Warsaw University, Poland), 2006-2010. Marco Naddeo, (co-tutelle with Stéphane Ducasse, INRIA, Lille, France), 2014-2017.

PhD committees

For Sonia Fagorzi (supervisor: Elena Zucca), University of Genova, Italy, 2007. For Gabriele Vanoni (supervisor: Ugo Dal Lago), University of Bologna, Italy, 2022.

Habilitation committees

For Etienne Lozes - Habilitation Thesis: separation logic, expressiveness and copy-less message passing. ENS Cachan - July 3, 2012.

**Publications (recent)**

-

Franco Barbanera, Viviana Bono, Mariangiola Dezani-Ciancaglini: **Partially typed multiparty sessions with internal delegation**. J. Log. Algebraic Methods Program. 142: 101018 (2025)

- Iacopo Colonnelli, Doriana Medic, Alberto Mulone, Viviana Bono, Luca Padovani, Marco Aldinucci: **Introducing SWIRL: An Intermediate Representation Language for Scientific Workflows**. FM (1) 2024: 226-244
- Pedro Ângelo, Viviana Bono, Mariangiola Dezani-Ciancaglini, Mário Florido: **Gradual Guarantee for FJ with lambda-Expressions**. FTfJP@ECOOP 2023: 32-38
- Roberto Pecoraro, Valerio Basile, Viviana Bono: **Local Multi-Head Channel Self-Attention for Facial Expression Recognition**. Inf. 13(9): 419 (2022)
- Francesco Dagnino, Viviana Bono, Elena Zucca, Mariangiola Dezani-Ciancaglini: **Soundness Conditions for Big-Step Semantics**. ESOP 2020: 169-196
- Viviana Bono, Mariangiola Dezani-Ciancaglini: **A tale of intersection types**. LICS 2020: 7-20
- Viviana Bono: **The Magda Language: Ten Years After**. Fundam. Informaticae 170(1-3): 15-38 (2019)

### Other relevant information

Invited speaker talk

Invited speaker at ITRS 2025 and Women in Logic Workshop 2025, July 2025, Tallin, Estonia (events co-located with LICS 2025).

Honors

SPLC 2010 paper "Delta-Oriented Programming of Software Product Lines" got the SPLC 2022 Most Influential Paper Award. Paper "Local Multi-Head Channel Self-Attention for Facial Expression Recognition" won the MPDI "Information 2022 Best Paper Award".

Social engagement

ACM-W scholarship program chair, 2018-2023 (now member), <https://women.acm.org/scholarships/>. ACM-W scholarship program provides support for women undergraduate and graduate students in Computer Science and related programs to attend research Computer Science conferences.