

CV for Ana Bove (1968)

April 2021

Degrees:

- *Docent in Computer Science*, Chalmers, Sweden, January 2009.
- *Ph.D. in Computer Science*, Chalmers, Sweden, November 2002.
- *Licentiate in Computer Science*, Chalmers, Sweden, November 1999.
- *M.Sc. in Computer Science*, Univ. de la República, Uruguay, November 1995, 2 years program.
- *Computer Engineer*, Univ. de la República, Uruguay, November 1993, 5 years program.
- *B.Sc. in Computer Science*, National University of Luján, Argentina, June 1991, 5 years program.

Employment:

- **Department of Computer Science and Engineering (CSE), Chalmers, Sweden:**
 - Feb'10 – present: *Associate Professor (Docent)*, including ca 55–85% teaching.
 - Nov'05 – Jan'10: *Assistant Professor*, included 35–50% teaching.
 - Nov'02 – Oct'05: *Post-Doctoral Researcher*, included 25% teaching.
 - Sep'96 – Oct'02: *Ph.D. Student*, included 20% teaching.
- **Computer Science Department, Univ. de la República, Uruguay:**
 - May'95 – Aug'96: *Lecturer*, full time.
 - Aug'92 – Apr'95: *Graduated Teaching Assistant*, 75% of full time.
 - Jun'91 – Jul'92: *Teaching Assistant*, 50 to 75 % of full time.
- **Computer Science School, Uruguay**
 - Apr – May'91 & Jun – Jul'90: *Lecturer* in Automata theory, 25 % of full time.
- **Inter-American Children's Inst., Org. of American States, Uruguay:**
 - Feb'91 – Apr'95: *Analysis, programming and system instruction*, 35 to 75 % of full time.

Selected Academic Service Activities:

- Since January 2020, *Division/unit head* of the *Logic and types* division/unit at CSE.
- Since January 2020, CSE *GENIE representative*.
- Since May 2016, member of the *Faculty senate (Fakultetsrådet)* at Chalmers.
- *Acting division head* of the *Logic and types* at CSE, Spring 2019.
- Substitute member of the *IT Faculty Board* at Univ. of Gothenburg, Autumn 2018 and 2019.
- *Head of the Computer Science (Datavetenskaplig) bachelor programme* at the Univ. of Gothenburg, 2013–2019.
- *Director of Undergraduate Studies* at the bachelor and master levels, September 2005–December 2019, CSE.

Distinctions and Awards:

- Nominated to the *Pedagogical Prize* by the students of the *Software Engineering* programme at Chalmers for my work in the course *Logic in Computer Science* 2019, and *Finite automata theory and formal languages* 2017 and 2014.
- Awarded the *Pedagogical Prize* by the students of the *Software Engineering* programme at Chalmers for my work in the course in *Finite automata theory and formal languages* 2016.

Research Area: Constructive Type Theory (CTT).

CTT is a very expressive programming language with dependent types. In addition, logic can be represented in type theory by identifying propositions with types and proofs with terms of the corresponding types. Therefore, we can encode in a type a complete specification, requiring logical properties from an algorithm. As a consequence, algorithms are correct by construction or can be proved correct by using the expressive power of CTT.

Publications: Nr. of citations in Google Scholar,: 872, h-index: 12, i10-index: 13.

For further details, please visit my entry in [Google Scholar](#) or in [Orcid](#).

Supervision of Ph.D. Students: At the distance, co-supervised Andrés Sicard-Ramírez, together with Prof. Peter Dybjer. Andrés was a Ph.D. student of the PEDECIBA Informática, Univ. de la República. Finished on July 2014.

Evaluation and Examination Work:

- Quality expert reviewer for the bachelor project course in the *Computer Engineering* bachelor programme at the University of Halmstad, Sweden, Autumn 2020.
- Scientific evaluation of a project proposal in the Innovational Research Incentives Scheme of the Netherlands Organisation for Scientific Research (NWO), October 2015.
- Scientific evaluation of an application for “full dedication researcher” (*régimen de dedicación total*) at the Universidad de la República, Uruguay, February 2015.
- Scientific expert in a senior lecture position in theoretical computer science with special emphasis on formal languages, at the Department of Computing Science at Umeå University, March 2013.
- Scientific evaluation of a project proposal on applied research for the Fondo María Viñas of the ANII (Agencia Nacional de Investigación e Innovación), Uruguay, June 2012.
- Member of the examining committees of the Ph.D. thesis of Jonas Duregård (Chalmers, September 2016), Carlos Luna (Univ. de la República, July 2014), Olov Wilander (Uppsala University, December 2011), François Garillot (École Polytechnique, December 2011).

Pedagogical and Leadership Education:

- *Necessary Conversation* (Nödvändiga samtal), Univ. of Gothenburg, October 2020.
- *Communication and Feedback*, Univ. of Gothenburg, September 2020.
- *Utvecklingssamtal*, Univ. of Gothenburg, March 2020.
- *Work Environment Training for Chefs* (Arbetsmiljöutbildningen), Chalmers, February 2020.
- *Salary Setting and Pay Review* (Lönesättning och lönerevision), Chalmers, January 2020.
- *Leadership Training for Study Directors* (Ledarutbildning för studierektorer). Univ. of Gothenburg, September 2017–January 2018.
- *The Necessary Conversation* (Det nödvändiga samtalet), Chalmers, November–December 2013.
- *Health and Safety Training* (Arbetsmiljöutbildning), Chalmers, April–May 2013.
- *Forum for Supervisors*, Chalmers, September–November 2011 and January–June 2012.
- *Leadership Program for Young Researchers*, Chalmers, February–November 2009.
- *Supervision of Research*, Chalmers, March–April 2008.
- *Conflict Resolution* (Konflikthantering), Univ. of Gothenburg, September–December 2007.
- *Project Leadership for Academics*, Chalmers, September–October 2005.
- *Teaching, Learning and Presentation*, Chalmers, January–March 1998.

Languages:

- *English:* fluent in both speaking, reading and writing.
- *Swedish:* fluent in both speaking and reading, less fluent in writing.
- *Spanish:* mother tongue.