

CURRICULUM VITAE

ENRICO TASSI

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1 Personal data

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2 Education

Apr 28, 2008 Ph.D. in Computer Science at the Department of Computer Science, University of Bologna.
Oct 20, 2004 Master Degree in computer science with a rating of 110/110 *cum laude* at the Department of Computer Science, University of Bologna.
Dec 12, 2002 Degree in computer science with a rating of 110/110 at the Department of Computer Science, University of Bologna.

3 Research interests

Interactive Theorem Proving and Proof Assistants in particular proof assistant implementation and usage, large scale libraries of formalized mathematics and their interaction with tools for formal proof authoring (proof assistants and automatic theorem provers).

4 Personal interests

Free Software and Open Source in particular the Debian GNU/Linux operating system.

Software writing He's interested in every aspect, from design to low level implementation and management. He participated to the development of many free software projects.

5 Work experiences

1 Nov 2009 – 31 Oct 2011 Post-doctoral position at the Microsoft Research-INRIA Joint Center, Paris, to support his research activity for the Mathematical Components project.

01 Jan 2009 – 31 Dec 2009 Italian research collaboration grant titled “Formalizzazione nel theorem prover interattivo Matita di risultati di topologia formale” of the duration of one year supporting his research activity at the Department of Pure and Applied Mathematics, University of Padua.

20 Dec 2007 – 20 Dec 2008 Italian research collaboration grant titled “Implementazione e validazione di strumenti di supporto alla verifica automatica di teoremi, con applicazioni alla didattica” of the duration of one year supporting his research activity at the Department of Computer Science, University of Bologna.

5 Oct 2006 – 31 Mar 2006 Six months internship in the Mathematical Components Team in Inria-Microsoft Research Joint Lab, led by Georges Gonthier, Orsay (Paris), France. His research work consisted in the formalization of results of Finite Groups theory using the Interactive Theorem Prover Coq and its Small Scale Reflection extension.

HELM He is an active member of the HELM project.

The HELM project is a long term project of the University of Bologna, aimed to the integration of the current tools for the automation of formal reasoning and the mechanization of mathematics (proof assistants and logical frameworks) with the most recent technologies for the development of web applications and electronic publishing. The current focus of the project is the implementation of Matita interactive theorem prover.

Debian Developer He is a developer of the Debian GNU/Linux operating system since Jan 2006. He is actually maintaining few Debian packages related to the Objective Caml programming language and the Lua programming language and some other general purpose packages.

6 Software

Only software to which He he gave a strong contribution is listed

- 2003 – ...* **Matita** is a proof Assistant based on the Curry-Howard correspondence that is developed by the HELM team at the University of Bologna. Written in Objective Caml.
- 2006 – ...* **Debian packages** He is actually (co-)maintaining more than 30 packages for the Debian GNU/Linux operating system.
- 2004 – ...* **FreePOPs** is an extensible POP3 server, mostly used as a web-mail to POP3 converter. Written in C and LUA.
- 2003 – 2004* **ULN** (User Level Networking) is a patch for the Linux kernel (2.4.x and 2.6.x) plus some userland utilities to give a per-user IP address assignment (with respect to centralized policies). Written in C.

7 Attended schools and conferences

May 2009 Gave a talk at the CNRS Center in Assois (France) during the TYPES conference: Hints in Unification.

- Aug 2008* Gave a talk at the Concordia University in Montreal (Canada) during the TPHOL satellite conference UITP with title: An interactive driver for goal directed proof strategies.
- Aug 2007* Organized, together with Andrea Asperti and Claudio Sacerdoti Coen the Types Summer School, held in Bertinoro, Italy.
- May 2007* Participated in the TYPES 2007 conference.
- Mar 2007* Gave a talk at the Microsoft Research-INRIA Joint Center in Orsay (Paris) with title: A modular approach to the formalisation of finite groups.
- Feb 2007* Gave a talk at the Microsoft Research-INRIA Joint Center in Orsay (Paris) with title: The matita proof assistant and its disambiguation manager,
- Apr 2006* Participated in the TYPES 2006 conference, giving a talk with te title: The Matita Proof Assistant.
- Aug 2005* Participated in the TYPES 2005 Summer School in Göteborg, Sveden.
- Jun 2005* Participated in the McTafi (Constructive Methods in Topology, Algebra and Foundation of Computer Science) final project meeting, Genova, Italy.
- Mar 2005* Participated in BISS-2005: Bertinoro International Spring School for Graduate Studies in Computer Science.
- Feb 2005* Participated in the AILA-2005 (XXII Incontro di Logica Matematica) conference, Pisa, Italy.

8 Teaching experiences

In the last years I've been teaching the following courses of the University of Bologna:

- 2008/2009* Teaching of “Laboratorio di Sistemi Operativi Liberi”, master in Scienze e Tecnologie del Software Libero.
- 2008/2009* Teaching assistant of “Sistemi Operativi”, 2nd undergraduate year.
- 2008/2009* Teaching assistant of “Linguaggi e Strutture”, 1st undergraduate year.
- 2007/2008* Teaching assistant of “Basi di Dati e Sistemi Informativi”, 3rd undergraduate year.
- 2006/2007* Teaching assistant of “Sistemi Operativi e Laboratorio”, 2nd undergraduate year.
- 2005/2006* Teaching assistant of “Sistemi Operativi e Laboratorio”, 2nd undergraduate year.