

Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Baldesi, Luca

65r, Via Crespole e Fabbriche, 51100, Pistoia, Italy

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luca.baldesi@unitn.it

Italian

03/02/1988

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Luca Baldesi is a PhD. student at the Department of Information Engineering and Computer Science (DISI) at the University of Trento, Italy. He received his MSc degree in computer engineering from the University of Florence in 2013 and won a one-year research grant at the DISI of Trento the same year. He has been mainly working on distributed networking and peer-to-peer communication. His achievements include scientific publications and involvement in international research projects. He serves as teaching assistant on simulation courses in Trento and co-advised two BS students. He also serves as reviewer for international conferences and journals. His expertise includes the development of communication simulators, systems and innovative algorithms to improve the efficiency and the effectiveness of peer-to-peer content distribution.

Work experience

2014-present

Employer

Main activities and responsibilities

Period abroad

PhD. student

University of Trento

Research in distributed networked system optimization: local strategies, cross-layer approaches and centrality driven distribution.

Visiting PhD. student at the University of California, Irvine for nine months working in the computer science department on random graph properties and generators.

Research fellowship at the University of Trento

University of Trento

Research in the fields of peer-to-peer live streaming video and Wireless Community Networks. Involved in the EIT "Smart Ubiquitous Content" and "Open Source P2P Streaming" projects.

Research Project Involvement

Smart Ubiquitous Content, 2013

The project goal was to empower economic, massive content delivery in heterogeneous networks. Luca Baldesi worked on the *Streaming and Traffic Management* part.

Open Source P2P Streaming,
2013

Teaching Activities

2013-present

2014

2015

Sub-project of the European FP7 Confine project. Luca Baldesi worked on evaluating and tailoring existing P2P distribution systems in the environment of Wireless Community Networks.

Luca Baldesi has co-advised 2 BS students on P2P streaming distribution topics.

Teaching assistant for the course of *Simulation and Performance Evaluation* at the University of Trento.

Teaching assistant for the *Simulation and Performance Evaluation* and *Privacy, Trust and Security* courses at the University of Trento.

Education and training

2011-2013

Master degree in Computer Science Engineering, University of Florence. Thesis: "Analysis of the Bluetooth protocol and robustness testing of its implementations in mobile devices and operating systems." Graduated with 110/110 cum laude and career mention.

2007-2011

Bachelor degree in Computer Science Engineering, University of Florence. Thesis: "Analysis and implementation of a seamless handover system using a router with two Wi-Fi interfaces." Graduated with 107/110.

Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment
European level^(*)*

English

Italian

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

^(*) Common European Framework of Reference (CEF) level

Social skills and competences

Participation and presentation of talks to various national and international conferences and project meetings.

Computer skills and competences

Expert in Operative Systems administration with focus on GNU/Linux. Expert in software development, programmer in C, C++, java, Python and passionate of Ruby. Experience of relational database designing and management, experience with virtualized environments (mostly OS-level). In depth knowledge of the ReST architectural style and services design and experience with the Ruby On Rails framework.

Publications

- Luca Baldesi, Leonardo Maccari, and Renato Lo Cigno.
Optimized Cooperative Streaming in Wireless Mesh Networks.
In *2016 15th IFIP Networking Conference*, 2016
- Luca Baldesi and Leonardo Maccari.
NePA Test: Network Protocol and Application Testing Toolchain for Community Networks.
In *2016 12th Annual Conference on Wireless On-demand Network Systems and Services (WONS)*, pages 1–8, Jan 2016
- Luca Baldesi, Leonardo Maccari, and Renato Lo Cigno.
Improving P2P streaming in Wireless Community Networks.
Computer Networks, 93, Part 2:389 – 403, 2015
- Luca Baldesi, Leonardo Maccari, and Renato Lo Cigno.
Improving P2P Streaming in Community-Lab Through Local Strategies.
In *2014 IEEE 10th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)*, pages 33–39. IEEE, 2014