

Resume

Luigi IANNONE



Last name : **Iannone**

First name : **Luigi**

Birth Date : **January 23, 1973**

Citizenship : **Italian, Swiss**

Address : **Pariser-Strasse 55A
10719 Berlin - GERMANY**
Phone : **+49 (0)30 8353 58655 (Office)
+49 (0)170 7976694 (Mobile)**

E-mail: luigi@net.t-labs.tu-berlin.de

Webpage: <http://www.gigix.net>

Curriculum Vitae: <http://www.gigix.net/home/files-store/CV-Iannone.pdf>
(with complete list of publications)

Current Affiliation: **Telekom Innovation Laboratories - Technische Universität Berlin
Ernst-Reuter-Platz 7
10587 Berlin GERMANY**

Short Bio: I am currently Senior Research Scientist at Telekom Innovation Laboratories (T-Labs) - Technische Universität Berlin since September 2008. I have previously worked as post-doc researcher at Université catholique de Louvain (UcL - Belgium) in 2007/2008. From 2002 to 2007 I worked at the Université Pierre et Marie Curie (Paris VI - France), first as Ph.D. candidate until 2006, when I obtained my Ph.D. in Computer Science, and later as post-doc. Before that I obtained a degree in Computer Engineering from the Università degli Studi di Pisa (Italy). My current research interests includes intra- and inter- domain routing, as well as mobility, wireless networks, and wired/wireless convergence.

Education

2002-2006 PhD in Computer Science

Location Université Pierre et Marie Curie (UPMC), Paris - France

Title Cross-Layer Routing and Mobility Management in Wireless Mesh Networks

Specialization Computer Communication Networks

1992-2001 “Laurea” in Computer Engineering

Location Università agli studi di Pisa, Pisa – Italy

Dissertation An implementation of MPLS (Multi-Protocol Label Switching) on FreeBSD platform

Specialization Software Engineering

Languages

Italian (Mother tongue), French, English, Basic German

Professional Experience

1. Senior Research Scientist

Telekom Innovation Laboratories - Technische Universität Berlin
Berlin - Germany. September 2008 - Ongoing

2. Research assistant (Post-Doc position)

INL - IP Networking Lab Université Catholique de Louvain
Louvain-La-Neuve - Belgium. March 2007 - August 2008

3. Research assistant (Post-Doc position)

LIP6/CNRS Network and Performance Analysis Group (NPA) Université Pierre et Marie Curie
Paris - France. April 2006 - February 2007

4. Research assistant (Ph.D.)

LIP6/CNRS Network and Performance Analysis Group (NPA) Université Pierre et Marie Curie
Paris - France. May 2002 - April 2006

5. Review, TPC, and Chair Activities

I served as reviewer for journals edited by: Elsevier, Springer, IEEE, ACM. I served as reviewer or Technical Program Committee member for conferences sponsored by: ACM, IEEE, IFIP, ICST. I have been co-chair for the ACM CoNEXT 2009 Student Workshop. I have been consultant for the French National Agency of Research (Agence National de la Recherche - ANR).

6. Editorial Activities

Since January 2011 I am part of the Editorial Board of Elsevier Computer Networks, the International Journal of Computer and Telecommunication Networking (Elsevier).

IETF and IRTF Activities

Since March 2007 I am also actively participating in the IETF/IRTF meetings, held every 4 months. In this period I have co-authored several drafts accepted as Working Group Documents. My participation to the different meetings have been almost always accompanied by presentations held in the groups I am actively working. Since March 2010 I am Secretary of the LISP Working Group in the IETF.

National and International Project's Participation

I have worked in the following National and International Projects:

- **Trilogy** – Architecting the Future Internet (EU International Project) <http://www.trilogy-project.org/>
- **AGAVE** – A liGhtweight Approach for Viable End-to-end IP-based QoS Services (EU International Project) <http://www.ist-agave.org/>
- **GigaCom** (French National Project) <http://www.gigacom-paris.net/>
- **WIP** – An All-Wireless Mobile Network Architecture (EU International Project) <http://www.ist-wip.org/>
- **RNRT- InfRadio** (French National Project) <http://rnrt-infradio.lip6.fr/indexEnglish.html>

Teaching Experience

1. **Teaching Assistant at Technische Universität Berlin**

- *Network Architectures: Internet Routing Seminar* - Periods: 2010, 2011 Winter Semesters.
- *Routerlab - Lab Course* - Periods: 2009, 2010, 2011 Spring/Summer Semesters.
- *Network Architectures: Internet Security Seminar* - Periods: 2009 Winter Semester.

2. **Teaching Assistant at Université Catholique de Louvain**

- *Design of Distributed Applications* - Periods: 2007 Winter Semester.

Software

Very good programming skills in Unix environment and very good knowledge of IP-based protocol stack and networking technology.

- **OpenLISP (Maintainer and Main Developer)**: Open source implementation of LISP (Locator/ID Separation Protocol), protocol proposed by Cisco and now been chartered as Working Group in the IETF. More information about OpenLISP, as well as the latest release, can be found on: <http://www.openlisp.org>

• **MeshDV**: An integrated software able to perform proactive route building inside a wireless mesh network (using cross-layer metrics); address prefix advertisement; clients' mobility management. More Information can be found on: <http://meshdvnnet.lip6.fr>

• **Prawn**: Prawn (PRototyping Architecture for Wireless Networks) is a software environment for prototyping high-level (i.e., network layer and above) wireless network protocols. The software is available at <http://prawn.lip6.fr>.

• **Auto Rate Fallback (ARF) Algorithm for NS-2**. Developer of an implementation of the ARF (Auto Rate Fallback) rate adaptation algorithm of IEEE 802.11 wireless cards for NS-2. Available on demand.

• **Perl-based Captive Portal**: Developer of a Perl-based Captive Portal able to grant access to the Infradio platform and the MeshDVNet platform to all people registered into the LDAP directory of the Université Pierre et Marie Curie.

• **MPLS in the FreeBSD Kernel**: Developer of MPLS (Multi-Protocol Label Switching) support in the kernel of FreeBSD 4.2. Available on demand.