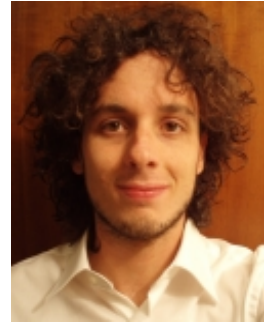


Marco Balduzzi - Curriculum Vitae

Personal Informations

Name Marco Balduzzi
Date of birth 11th November 1982, Seriate, Bergamo (It)
Address 2229, Route des Cretes, Sophia-Antipolis
French Mobile +33.628041924
Homepage <http://www.madlab.it>



Education

- ◆ Since Nov. 2008: PhD student in Applied Computer Security - Eurecom, Sophia-Antipolis, under the supervision of Prof. Engin Kirda
 - Networking and Security department
 - <http://www.eurecom.fr/people/balduzzi.en.htm>
- ◆ 2004-2006: Master degree (*Laurea specialistica*) in Computer Engineering at the University of Bergamo (Italy) – Best Final-grade: 110/110
 - Thesis: “Security by Virtualization: a novel antivirus for personal computers” [not public released yet – ask by email]
 - Internship/research performed at Secunet Security Networks AG, Munich, Germany
- ◆ Spring 2005: Exchange student at the Norwegian University of Science and Technology (NTNU) of Trondheim, Faculty of Computer Science and Telematics.
- ◆ 2001-2004: Bachelor degree in Computer Engineering at the University of Bergamo – Final-grade: 106/110
 - Thesis: “A new model of Intrusion Detection System: The Router-IDS”, available at http://www.madlab.it/papers/tesi_routerids.pdf
 - Internship/research performed at ICT Consulting S.p.A., Milano, <http://www.ictc.it>
- ◆ 1996-2001: Scientific High-School in Bergamo (Italy)
 - Final-grade of 76/100 with the thesis “The key of a new science”

Work experiences

- ◆ Since Nov. 2008: Researcher in Applied Computer Security at the International System Security Lab, Sophia-Antipolis (France), <http://www.iseclab.org>
- ◆ Jan. 2008-Oct.2008: Security Engineer at Criston Software, Sophia-Antipolis (France), <http://www.criston.com>
 - Responsible of researching, implementing and supporting the development of the Precision Vulnerability Management solution. In particular my contributions concern the security scanner engine and the vulnerability tests.
- ◆ Sept.–Dec. 2007: Internship at SAP Research, Security & Trust, Sophia-Antipolis (France),
<http://www.sap.com/about/company/research/centers/sophiaantipolis.epx>
 - Research activity for the secure integration of “Wireless Sensor Networks” and enterprise applications
- ◆ Aug.2006 - July2007: researcher and developer for an Information Security service provider, market-leader in Germany: Secunet Security Networks AG, Munich office, <http://www.secunet.com>
 - Research and prototype implementation of a novel Antivirus, integrated within a Virtual Machine layer. Technology: C/C++/BASH, Linux, Qemu
- ◆ March-July 2006: consultant for a company in Milan that provides services and products in Information Security: Emaze Network S.p.A, Milano, <http://www.emaze.net>
 - Penetration test, vulnerability assessment, computer and network forensics, secure architecture review, log analysis...
- ◆ 2004-2005: collaborator for an Information Security consultant group in Milan as experienced technician, consultant and teacher: Secure Network s.r.l., <http://www.securenetwork.it>

Technical knowledge

- ◆ Advanced knowledge and working experiences with:
 - Security: penetration test, vulnerability assessment, forensics, system hardening, cryptography, firewalls, intrusion detection systems, VPN, etc..

- o Networking: TCP/IP protocol networking, IP routing, network services (ftp, http, mail, dns..), QoS, etc..
- o Languages: C/C++, Bash (particularly in the GNU/Linux environment, able to operate in kernel-space).
- o Configuration and administration of GNU/Linux, Windows and Cisco IOS.
- ◆ Knowledge of UNIX (BSD-like, Solaris, HP-UX) and MAC-OS operating systems.
- ◆ Knowledge of the JAVA programming language and IDEs (e.g. Eclipse)
- ◆ Knowledge of web languages (HTML, JSP, Javascript), database languages (E/R, SQL) and software-architecture languages (UML, Petri network).
- ◆ Knowledge of the basic principles in software engineering and architecture.

Speaker experience in conferences and meetings¹

- ◆ 05/07 - Metro Olografix Hacking Party: “Security by Virtualization”
- ◆ 03/06 - LD @ School by BgLUG: “Network multimedia with GNU Linux”
- ◆ 11/05 - Linux Day Bergamo: “Secure networking with GNU/Linux”
- ◆ 11/04 - Linux Day Bergamo: “Introduction to software development in the Linux environment (with particular references to the C language)”
- ◆ 09/04 - Space and Advance Telecommunication (SATEXpo) Vicenza: “Risks and insecurities of the IT infrastructure” and “Techniques for prevention, protection and identification of the IT attacks”
- ◆ 06/04 - Metro Olografix Camp Pescara: “Introduction to software development in the Linux environment (with particular references to the C language)”
- ◆ 05/04 - Webb.it Padova: “Introduction to network programming with libpcap and libnet”
- ◆ 04/04 - Security Date Ancona: “Security analysis of routing protocols”
- ◆ 04/04 - Hackmeeting Genova: “Intrusion Detection Systems (IDS): state of art and research”
- ◆ 06/03 - Hackmeeting Torino: “Low-level network programming with libpcap and libnet”
- ◆ 11/03 - Linux Day Bergamo: “Security of the GNU/Linux operating system”

¹ All the slides are available for vision and download on my homepage.

Associations involved

- ◆ November 2005. I am founder of the student computer laboratory of my university, called “Laboratorio di Informatica Applicata” (<http://lia.servebeer.com>). The aim of the project is to run a space where students can share their knowledge and hack practically what learned at lessons, in the true spirit of the Free Software.
- ◆ Member from begin (Jan 2000), I organize and participate actively to the initiatives and the meetings of the Linux User Group of my province (<http://www.bglug.it>). The association aims to promote the widest diffusion of the so-called “Free” computer science and of the GNU/Linux operating system, as described in wikipedia http://en.wikipedia.org/wiki/Linux_user_group.
- ◆ I was an active member of the S.P.I.N.E. research group, which aimed to promote security and technology research through the cooperation and the free sharing of projects and ideas (<http://www.spine-group.org>). After 3 years of activities, from 2006 the S.P.I.N.E. project has been closed.
- ◆ Member of the AEGEE-Bergamo (<http://www.aegEE.org>). AEGEE is a student association which aims to promote a unified Europe without prejudices, to strive for creating an open and tolerant society, to foster democracy, human rights, tolerance, cross-boarder co-operation, mobility and European dimension in education. In particular, I help to organize meetings and events, promoting the exchange of culture among foreign students hosted in Bergamo and local students.
- ◆ Member of the Italian Alpine Club “CAI-Bergamo” (<http://www.caibergamo.it>).

Language knowledge

- ◆ Italian: native language
- ◆ English: excellent written and spoken
- ◆ French: good knowledge
- ◆ German: basic knowledge

Certifications

- ◆ 2004: Cisco CCNA Part1 Certification
- ◆ May 2001: Preliminary English Test (PET), May 2001

Leisure activities and sports

- ◆ Enjoy outdoor life and nature. Mountain sports. Travel.
- ◆ Play guitar and listen music.
- ◆ Science, research and technology. Computer hacking.

Personal qualities

It is always difficult to write about personal qualities. I can easily say that I'm much friendly, spontaneous and amusing. I don't know the shyness. I have the fortune that the nature made me intelligent and sparkling. So I think to be a responsible and clever person, with a strong personality. I am extremely flexible, adaptable to various situations. It is easy for me to start new adventures, fitting in new groups and meeting new people.

About my experience in Norway in 2005

I lived in Trondheim (<http://www.trondheim.no>) for six month as an exchange student, where I studied part of my Master in Computer Engineering at NTNU (<http://www.ntnu.no>). The main reasons that have convinced me to join the exchange program are the big desire to meet people of different origins and culture, and the curiosity of living in a foreign environment. I consider Scandinavian countries special and stimulating environments for a South Europe guy. The people are friendly and culturally very interesting and particular. Moreover the Norwegian landscape is incredible, and Trondheim is particularly beautiful too.

January 2010