

MARCO PRANDINI
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Research Associate
University of Bologna

STUDIES

Master degree in Computer Engineering at University of Bologna in 1995

Ph.D. in Electronic, Computer and Telecommunication Engineering at University of Bologna in 1999

WORK EXPERIENCE

Computer systems designer for Comune di Modena from 1995 to 2000

He Researcher in the Center for Studies on Computer-Operator Interactions, of the CNR, from 1984 to 1992, and associate professor in the University of Bologna from 1992 to 2001.

Research Associate / Assistant Professor at Alma Mater Studiorum – University of Bologna from 2001.

RESEARCH ACTIVITY

His research activity is focused on computer and information security. More specifically, during the past years he moved from his initial interest regarding the field of public-key infrastructures towards issues related to system security: access control, operating system and applications security, testing methodologies. Lately, He is working on three main applicative fields of security, namely data sanitization, cloud-based applications, and transport-related information systems.

He has had about 30 papers accepted in peer-reviewed international conferences and journals:

<https://www.unibo.it/sitoweb/marco.prandini/pubblicazioni>

TEACHING ACTIVITY

- Tutoring for the Computer Networks course (years 1996, 1999-2003)
- Tutoring for the Logic Design course (year 1997)
- Contents definition, design and partial teaching for the Network Administration course (year 2003) then full responsibility of the same course (since 2004), then re-design as Laboratory of System Administration with an extension triple than the original (since 2005).
- Full responsibility of the Logic Design course (2001-2005)
- Teaching of the Security module within the II-Level Master in System Integration (2004 -2005)
- Scientific direction and partial teaching of the Advanced Education Course (Corso di Alta Formazione) "Information Security Expert" (2007)

PAST AND CURRENT RESEARCH PROJECTS

- Ministry-funded base research program 2000/2001: "IT Infrastructures for the handling of secure transactions in computer networks"
- Ministry-funded base research program 2002/2003 "Security management within distributed computing architectures"
- Ministry-funded base research program 2004/2005 "Configurable infrastructures for network security"
- FIRB Project, Strategic Program "Enabling Technologies for the Knowledge Society - ICT", Target Project 2: Networks and Netputing "Middlewares for Advanced Services on Large Distributed Wired-Wireless Systems" - Coordinator Prof. Giovanni Chiola (November 2002/November 2005)
- CNR Strategic Project (Law 449/97), Area: Distributed-Objects Complex Enabling ICT Platforms "Software Infrastructure for Hard-Environment-Specific Ad Hoc Networks" - Coordinator Prof. Carlo Ghezzi (Jan. 2003/Dec. 2005).
- PRIN 2005: MObility Blinding middleware (MOBI): mobile middleware for the adaptive binding to multi-modal services within mobile contexts - Scientific coordinator Prof. Marco Rocchetti, Scientific referent Prof. Antonio Corradi (Jan. 2006 / Dec. 2007).

- CIRI-ICT: Regionally-funded Centre for Industrial Research and knowledge transfer (2011-ongoing)
- FP7 NoE "EINS - Network of Excellence in Internet Science" 2011-2015. Coordinator: Leandros Tassioulas (CERTH, Greece), local coordinator Franco Callegati (Univ. of Bologna).
- EIT Digital "SMALL – Smart Mobility for All" - Task leader for the development of an enabling platform for Mobility as a Service operators

ACTIVITY IN SCIENTIFIC BOARDS

- Reviewer for conference papers:
 - Applied Computer Security Conference (ACSAC);
 - IEEE International Symposium on Computers and Communications (ISCC);
 - International Conference on Agents and Artificial Intelligence (ICAART);
 - International conference on eParticipation (ePart);
- Reviewer for journal papers:
 - Computers & Security (Elsevier);
 - Future Internet (MDPI);
 - Transactions on Parallel and Distributed Systems (IEEE);
 - Future Generation Computer Systems (Elsevier);
 - e-Service Journal (Indiana University Press);
 - Mobile Networks and Applications (Springer).