

PERSONAL INFORMATION

Fabrizio d'Amore

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POSITION

College / university teaching professional

EDUCATION AND TRAINING

1990–1992

Doctorate in computer science

Univ. La Sapienza, Rome (Italy)

- Theoretical computer science
- Algorithm and data structures
- Computational geometry

1978–1988

Master degree in Electrical Engineering

Magna cum laude

Univ. La Sapienza of Rome, Rome (Italy)

- Analogical and digital electronics
- Computer science
- Business organization
- Operating research

WORK EXPERIENCE

1 Nov 1998–Present

Associate professor

University of Rome La Sapienza
Via Ariosto 25, 00185 Roma (Italy)
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- Research activity
 - algorithms and data structures (since 1998)
 - cybersecurity (since 2010)
 - eGovernment (since 2008)
 - several international/national research projects
- Founder and first director (2012-15) of the master in Information security and strategic information ("Sicurezza delle informazioni e informazione strategica"), run by the University of Rome La Sapienza, in cooperation with the Security Intelligence Department (a department of the Presidency of the Council of Ministers). Currently delegated by the new director.
- Expert of cybersecurity, with related teaching duties (see below). I am a co-author of the
 - Italian cybersecurity reports. The [2014 report](#) focused on the cybersecurity of the Italian public administration; the [2015 report](#) has proposed a national framework for the cybersecurity.
 - The [white book](#) on "The future of cybersecurity in Italy." (2015)
 - The IAI (Institute of International Affairs, an Italian non-profit organisation) report "[The Defence of Civilian Air Traffic Systems from Cyber Threats](#)." (In Italian, 2015)
- Delegated by the Dean of the School of Computer Engineering for the internships. Main responsibilities: analysing opportunities, signing educational agreements, handling requests of external parties willing to host the internships. (since 2001)

- Active on subject "culture of security" and its dissemination, since 2011, within a wider collaboration between Italian academy and Security Intelligence Department.
- Teaching courses in the bachelor program in Computer Engineering. Main subjects (listing 2016 only):
 - algorithms and data structures
 - theoretical computer science
- Teaching courses in master programs in Computer Engineering. Main subjects (listing 2016 only):
 - network security
 - information security
 - cryptography
 - application security
 - privacy

Business or sector Academy

2000–Present ICT expert and advisor

- Expert in eGovernment subjects
 - On the mandate of Invitalia (an agency of the Ministry of Economic Development), proposed a methodology to support decision-makers in choosing eGovernment interventions within the framework of an assigned subject. See Annex E2 and Annex E3 (2008)
 - Participated in the activities of monitoring the progresses of the projects, also assessing the extent of their possible reuse. CINI, CNIPA, PCM (2004-05)
 - Supported eGovernment projects at local governments in the phase of executive design and plan. CINI, CNIPA, PCM (2003-05)
 - Coordinated the technical team that supported the Presidency of the Italian Council of Ministers in analysing and selecting projects, within the first Italian call for eGovernment projects. CINI, CNIPA, PCM (2002-04)
- Consultant and advisor on organisational and technological domains
 - Party's technical consultant on IT subjects within legal disputes. (2014-15)
 - Supported INVITALIA in a project on Web-based communication between public administration and citizens. (2012-15)
 - Consultant of Gtech on software analysis. (2014)
 - Assisted Ecosfera (private medium enterprise) in the internal technological innovation. (2009-10)
 - Supported Cassa Italiana di Previdenza e Assistenza dei Geometri (provident institution) in the process of designing, developing and employing a new application, managing all the institutional functions. Focus also on data cleaning, process re-engineering, change management. (2002-2010)
 - Consultant of SOGEI on algorithms for sports betting. (2004)
- Analysis of educational needs and design of educational/training paths
 - Design of educational/training paths for Digid (private enterprise) employees. (2016)
 - Design of educational/training paths for the Security Intelligence Department (a department of the Presidency of the Council of Ministers). (2014)
 - Analysis of educational needs and design of educational/training paths for IT employees of the Council of State. (2005-07)
 - Supported CNIPA on the specification of documents for a tender on eLearning. (2005)
 - Designer and coordinator of an educational program on Web Marketing, funded by Regione Lazio. (2004)
- Educator/trainer of managers, officers, decision makers, IT personnel on digitalisation, dematerialisation, digital documents management, information security
 - School of Education of Security Intelligence Department. Courses on email security and network security. (2014-16)

- High School of Ministry of Economy and Finance. Courses on information security and digitalisation. (2012-13)
- High School of Ministry of the Interior. Courses to officers and vice-prefects on information security and digitalisation. (2012)
- High School of Public Administration. Digitalisation, dematerialisation, cycle of life of digital documents. (2011-12)
- Council of State. Courses on network security and digitalisation. (2005-07)
- Public administration. Courses on the RUPA (former public connectivity system). (2000-01)

Business or sector ICT

1 Jan 1990–31 Dec 1999 **Consultant on ICT subjects**

- Teaching course for public and private subjects
- Software design and prototyping
- Advising on ICT subjects

Business or sector ICT

1 Apr 1994–31 Oct 1998 **University researcher**

University of Rome La Sapienza, Rome (Italy)
Research and education in ICT subjects.

Business or sector Research and education

1 Mar 1992–31 Mar 1994 **Post-doc**

University of Rome La Sapienza, Rome (Italy)

Business or sector Research and teaching assistency

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | C2 | B2 | C1 | C2 |
| Spanish | A2 | B1 | A1 | A1 | A2 |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills. In most of my duties and projects I was faced to different types of users, audience or collaborators, that were having very variegated profiles, both IT and administrative. In all cases I could brilliantly manage my interaction with all parties, taking care of the "impedance adaptations."

Organisational / managerial skills

- Advising and decision making.
- Coordination of committees.
- Coordination of the operations of a master program.

Job-related skills Algorithms, ITC and cyber security, software, eGovernment, cryptography, privacy, pandect of the Italian Digital Administration

Digital competence

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|-----------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |

Digital competences - Self-assessment grid

- cybersecurity
- software design and development
- algorithms
- databases

Other skills

- Problem solver
- Expert in fast feasibility studies
- Self-taught classical guitarist

ADDITIONAL INFORMATION

Memberships

- Affiliated with
 - Department of Computer, Control, and Management Engineering Antonio Ruberti. Since 1994.
 - Research Center of Cyber Intelligence and Information Security. Since 2012.
 - Cyber Security National Laboratory. Since 2014.
 - CINI (Consorzio Interuniversitario Nazionale per l'Informatica). Since 1994.
- Fellow at GCSEC (Global Cyber Security Center). Since 2011.
- Member of
 - Advisorycommittee of ICT Security (Tecna publishing).
 - Scientific Committee of ECCE Italia.

Publications

Author of more than 40 international publications and of books. ~~For a partial list see Annex P.~~

Altre informazioni

- Entitled to exercise the engineering profession in 1990.
- Member of the jury of the Italian Association of the Book, since 2013.