

PERSONAL INFORMATION

José María de Fuentes

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 <https://cosec.inf.uc3m.es/people/en/jose-maria-de-fuentes.html>

Sex Male | Nationality Spanish

WORK EXPERIENCE

01/09/2018–Present

Associate Professor of Computer Science (Tenured Position)

Department of Computer Science, Universidad Carlos III de Madrid (Spain)

- Applied research in cybersecurity and privacy.
- Teaching in cybersecurity-related subjects in Bachelor and Master Degrees in both UC3M and its associated Officer's Academy of the Spanish Civil Guard.
- Supervision of PhD theses.
- Preparation of grant proposals.

Business or sector Academic/Research

2018–Present

**Vicepresident Spanish Committee CTN 320 on cybersecurity and data protection
UNE (formerly AENOR)**

- Planning of activities
- Supervision of standardisation efforts
- Coordination of National position in international standards

01/09/2015–01/09/2018

Lecturer

Universidad Carlos III de Madrid, Leganes (Spain)

- Design of subjects and teaching programmes for Degree and Master programmes in UC3M engineering school and its associated Officer's Academy of the Spanish Civil Guard.
- Development of research tasks
- Preparation of grant proposals

Business or sector Academic/Research

01/09/2015–Present

National Secretary of ISO/IEC JTC 71/SC27

AENOR, Madrid (Spain)

- Coordination of workgroups
- Organisation of Committee meetings
- Planning of standardisation tasks

Business or sector Professional, scientific and technical activities

26/01/2009–01/09/2015

Teaching assistant

Universidad Carlos III de Madrid (Spain)

- Development of research initiatives in the security & privacy domain
- Supervision of Master/Bachelor Thesis
- Teaching in Bachelor degrees for UC3M and its associated Officer's Academy of the Spanish Civil

Guard.

- Development of teaching innovation projects

Business or sector Academic/Research

09/2007–09/2008

Research scholarship

Universidad Carlos III de Madrid (Spain)

- Teaching and practical lab assistance
- Supervised research activities

Business or sector Academic/Research

EDUCATION AND TRAINING

09/2008–07/2012

Ph. D. in Computer Science and Technology

EQF 8

Universidad Carlos III de Madrid (Spain)

- Research in cybersecurity- and privacy-related issues in vehicular ad-hoc communications.
- Management of project-related issues (timeline, deliverables, budget, reporting).

09/2007–09/2008

M. Sc. in Computer Science and Technology

EQF 7

Universidad Carlos III de Madrid (Spain)

- Preliminary study on security issues in vehicular ad-hoc networks and smart cities
- Analysis of privacy-centric issues arising from legal mandates
- Threat analysis of distributed IT environments

09/2002–09/2007

Bachelor in Computer Science

EQF 6

Universidad Carlos III de Madrid (Spain)

PERSONAL SKILLS

Mother tongue(s)

Spanish

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B2	B2	B2	B2
DELF A4					

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

ADDITIONAL INFORMATION

Other professional experiences

- **Trainer for the Spanish Army and Spanish Civil Guard**
- **Consultant for the EU Parliament.** Report "Achieving a sovereign and trustworthy ICT industry in the EU", for its Scientific Foresight Unit (STOA). Available [here](#).
- **Expert witness** in IT security related cases in Spanish courts (subcontracted by different lawyer's firms), mostly for international companies. Particular topics are as follows: Intellectual property disputes (e.g. software plagiarism); E-mail related evidences; Privacy and anonymity of users; Robustness of online e-commerce systems
- **R&D project evaluator:** (UNESCO CODE: 120317) for Spanish AENOR/UNE (since 2011).

- Honours and awards**
- Ph. D. degree with honours
 - Best academic record award in M. Sc. programme
 - Best academic record award (valedictorian) in Bachelor programme
 - Awarded as one of the best marks in the University admission test
 - Applied research award at [CSAW 2017](#).
- Memberships**
- Vicepresident of the Spanish Chapter of the IEEE Intelligent Transportation Systems Society (2012-2014)
 - Editorial Board member: Springer Wireless Networks (2017-)
 - Program Committee member in Conferences (excerpt): SACMAT, WISTP, ARES, TrustComm, ADHOCNOW, ENISA's Annual Privacy Forum.
- Publications**
- 23 papers in peer-reviewed international journals with impact factor
 - 13 papers in peer-reviewed international workshops and conferences
 - 3 book chapters
- Full list available [here](#).
- Projects**
- SMOG: Security Mechanisms for Fog Computing (Spanish Ministry of Science and Innovation, 2016-2019)
 - CIBERDINE: Cybersecurity, data, information and risks (Government of Madrid, Spain, 2014-2018)
 - SPINY: Security and Privacy in the Internet of You (Spanish Ministry of Science and Innovation, 2014-2017)
 - SACO: Simulador Avanzado para la Ciberdefensa Organizada. (Spanish Ministry of Science and Innovation, INNPACTO project, Ref. IPT-2011-1593-390000 2011-2014)
 - SEGUR@ - Security and Trust in the Information Society (Spanish INGENIO 2010, CENIT Project, 2007-2009)
 - Quality assurance of software components and electronic signature services for the Spanish National ID Card (Spanish Ministry of Industry, Tourism and Commerce, 2007)
 - E-SAVE: Evidence-based security architecture for vehicular environments (Spanish National Research and Development Plan 2008-2011 Ref. TIN-13461 2009-2013)
 - PRECIOUS: Privacy-respectful techniques in vehicular environments (Regional project of the Government of Madrid (Spain) 2011)
- Research visits**
- 2016: University of Birmingham (United Kingdom), hosted by Prof. Mark Ryan
 - 2013: Fraunhofer AISEC (Germany), hosted by Prof. Dr. Claudia Eckert
 - 2011: Chair for Data Communication Systems of the University of Siegen, under the supervision of Prof. Dr. rer. nat Christoph Ruland
- Technology transfer**
- **Registered software programs (excerpt)**
 - * eStorePass : Password manager that works with chip cards. It is currently tailored for the Spanish National Identity Card (DNI-e).
 - * Software modules to extract forensic evidences of the use of Box and Dropbox cloud storage applications.
 - **Patents**
 - * Spanish Patent for a mechanism to check the status of mandatory vehicular credentials according to the legal mandates, preserving the privacy of non-offenders
- Teaching (excerpt)**
- **Recent courses**
 - Administration and Management of Security Information Systems (Bachelor on Security)

- Engineering)
- Security Engineering (Bachelor in Computer Engineering)
 - Cryptography and IT security (Bachelor in Computer Engineering)
 - Vulnerabilities and threats on IT systems (Bachelor on Security Engineering for officers of the Spanish Civil Guard)
 - Advanced Persistent Threats and Information Leakage (Master in Cybersecurity)
 - Cyberdefense systems (Master in Cybersecurity)
 - EdX MOOC: "Cybersecurity basics - A hands-on approach" (available [here](#))