Europass
curriculum vitae

Personal information

Surname(s) / First name(s)	**Filiol, Eric Adrien Francis**
Address(es)	18, rue de l'Alma, F-53000 Laval
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E-mail(s)	efll@protonmail.com
Nationality(-ies)	French
Date of birth	20.02.1962
Gender	Male

Desired employment / Occupational field

Computer warfare, CompuSec and InfoSec Research Director, Cryptography (cryptanalysis) senior expert. Cybersecurity senior consultant

Work experience

Dates	June 2019 til now
Occupation or position held	Non-permanent professor/researcher at ENSIBS Vannes (56) and CNAM (75)
	Senior consultant in Information and System Security, Intelligence and Cyber warfare techniques
Dates	2008 – June 2019
	Scientific director of the Operational Cryptology and Virology lab. CTO of the ESIEA Group (senior research manager)
Occupation or position held	Scientific direction and scientific research in cryptology (mostly cryptanalysis) and virology with operational applications to the Defence (including cyberwar) , Justice and Police fields. Legal expertise (forensics). Academic and technical teaching.
Main activities and responsibilities	Ecole Supérieure en Informatique, Electronique et Automatique – Laboratoire de Cryptologie et de virologie opérationnelles – 38 rue des Dr Calmette et Guérin F-53000 Laval, France
Name and address of employer	Computer and communication security – Governmental domain – University technical teaching.
Type of business or sector	Computer and communication security – Governmental domain – University technical teaching.
Dates	2001 - 2007.
Occupation or position held	Head scientist officer and scientific director of the Virology and cryptology lab
Main activities and responsibilities	Scientific direction and scientific research in cryptology (mostly cryptanalysis) and virology with operational applications to the Defence, Justice and Police fields. Legal expertises (forensics). Academic and technical teaching.
Name and address of employer	Ecole Supérieure et d'Application des Transmissions – Laboratoire de virologie et de cryptologie – BP 18, F-35998 Rennes, France (military academy)

Type of business or sector	Computer and communication security – Governmental domain.
Dates	1997 - 2001
Occupation or position held	Researcher and lecturer in cryptology et in computer virology
Main activities and responsibilities	Scientific research in cryptology and virology with operational applications to the Defence. Academic and technical teaching.
Name and address of employer	Ecoles Militaires de Coëtquidan, Camp de Coëtquidan, F-56381 Guer, France (military academy)
Type of business or sector	Computer and communication security – Governmental domain.
Dates	1991- 1997
Occupation or position held	Military cryptanalyst
Main activities and responsibilities	Cryptanalysis research with applications to the Defence
Name and address of employer	Etat-major de Défense, 44° RI, Paris
Type of business or sector	Computer and communication security – Governmental domain.
Dates	1986 - 1991
Occupation or position held	Various commanding positions in overseas infantry regiments
Main activities and responsibilities	Infantry platoon leader – deputy company leader – Head of staff Office management.
Name and address of employer	92° RI (Clermont-Ferrand, France), 21ème RIMA et 4ème RIMA (Fréjus, France).
Type of business or sector	Command and staff management – Military domain.

Education and training

Dates	January 2007.
Title of qualification awarded	Habilitation PhD Thesis in computer science
Principal subjects/Occupational skills covered	Cryptology and cryptanalysis – Computer warfare and security (virology)
Name and type of organisation providing organisation and training	Université de Rennes, 2 rue du Thabor, CS46510, 35065 Rennes Cédex, France www.univ-rennes1.fr
Level in national or international classification	UNESCO/ISCED level 6+ (Bac + 14)
Dates	April 2001
Title of qualification awarded	Ph. D Thesis in applied mathematics and computer science
Principal subjects/Occupational skills covered	Cryptology and cryptanalysis – Communication security.
Name and type of organisation providing organisation and training	Ecole Polytechnique, LIX, F91120 Palaiseau, France.
Level in national or international classification	UNESCO/ISCED level 6 (Bac + 8)
Dates	September 1997
Title of qualification awarded	D.E.A (graduate level) in algorithmics and coding theory.
Principal subjects/Occupational skills covered	Cryptology and cryptanalysis – Communication security.
Name and type of organisation providing organisation and training	Ecole Polytechnique, LIX, F91120 Palaiseau, France.
Level in national or international classification	UNESCO/ISCED level 6 (Bac + 5)

Dates	July 1996
Title of qualification awarded	Engineer diploma in cryptology
Principal subjects/Occupational skills covered	Cryptology and cryptanalysis – Communication security.
Name and type of organisation providing organisation and training	ANSSI/DCSSI, Paris.
Level in national or international classification	UNESCO/ISCED CITE level 5 (Bac + 5)

Personal skills and competences

Mother tongue(s) French

Other language(s)

Self-assessment

European level (*)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient User – C1	Proficient User – C1	Proficient User – C1	Proficient User – C1	Proficient User – C1
German	Independent user – B1	Independent user – B1	Independent user – B1	Independent user – B1	Independent user – B1

(*) *Common European Framework of Reference (CEF) level*

Social skills and competences

Very good team spirit (from military experience).
Very good capability of adaptation to new environments (from military experience).
Great interest for international experience, work and contacts (from various international scientific/military/NATO experience).
Very high capabilities for scientific teaching (I give lectures in various French universities and engineers schools at undergraduate, graduate and post-graduate levels).

Organisational skills and competences

Leadership (currently heading five research labs of 25 researchers with different status/backgrounds).
Team management and scientific research project management.
Internship and PhD scientific tutorship.
Editor-in-chief of an international research journal (Journal in Computer Virology and Hacking Techniques).
Scientific director of the European Institute of Computer Antivirus Research (EICAR) 2006 - 2012
Organisation of national and international scientific conferences.
Member of scientific program committees of international conferences.

Technical skills and competences

Technical expertise (including legal forensics) and support for the French Dept. of Justice and Dept. of Interior in the field of computer security.

Computer skills and competences

Mastering office software under Windows (Office/OpenOffice) and under Linux (LaTeX).
Administration and security management of computer systems (incl. networks).
High level programming skills in various programming languages (C, Python…). Strong experience in low level programming in C for extreme and parallel computing. Sagemath, R.

Artistic skills and competences

Playing bass guitar.

Other skills and competences

Long distance running (half-marathon et marathon). Trekking (mid mountain). Swimming

Driving licence(s)

Car driving licence category B. Motorcycle driving licence A (all types)

Additional information

I have a good experience in NATO work (especially in Information Operations in which I am a NATO graduate).

During my military past I used to get a "Top Secret Defense" security clearance (equivalent to Top NATO Secret). My highest security clearance was NATO Cosmic Top Secret (from 1994 to 1996).

As a military researcher and expert, part of my scientific results have been published in various international conferences/ research journals as well as international hacking conferences (Black hat USA, Black Hat Europe, Black Hat Asia, CCC, CanSecWest, PacSec, Brucon, PhDays, H2HC, Hack.lu…)

Appendices

More than 50 international publications in academic conference and hacking conferences (Black Hat, CansecWest, Brucon, PacSec, Hack.lu…)

A large number of papers in Research Journals and author of reference books/chapters in books.
MSc & PhD tutor mentorship ability
Website https://sites.google.com/site/ericfiliol/