

## Europass curriculum vitae



### Personal information

Surname(s) / First name(s) **Filiol, Eric Adrien Francis**  
 E-mail(s) **efiliol@netc.fr**  
 Nationality(-ies) **French**  
 Date of birth **20.02.1962**  
 Gender **Male**

### Desired employment / Occupational field

Computer warfare, CompuSec and InfoSec Research Manager and Expert,  
 Cryptography (cryptanalysis) Senior Expert. Technical Intelligence Expert.

### Work experience

Dates	Since 2008.
Occupation or position held	Scientific director of the Operational Cryptology and Virology lab. CTO/CSO of the ESIEA Group (senior research manager) & Independent consultant (since 2007)
Main activities and responsibilities	Scientific direction and scientific research (R & D) in cryptology and virology with operational applications to Defense (including cyberwar) and Industry Asset protection, Justice and Police fields. Legal expertises (forensics). Academic and technical teaching.
Name and address of employer	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 & Independant consulting
Type of business or sector	Computer, information and communication security – Governmental domain – Industry domain – 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 and virology with operational applications to the Defense, 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

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), 21 <sup>ème</sup> RIMA et 4 <sup>ème</sup> 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	DCSSI, Paris.
Level in national or international classification	UNESCO/ISCED CITE level 5 (Bac + 5)

## Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (\*)

English

German

French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Proficient User – C1	Proficient User – C1	Proficient User – C1	Proficient User – C1	Proficient User – C1
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).  
 Scientific director of the European Institute of Computer Antivirus Research (EICAR).  
 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.  
 Architect, designer and project manager of the DAVFI Project ([http://www.davfi.fr/index\\_en.html](http://www.davfi.fr/index_en.html))

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, VBS...). Strong experience in low level programming in C for extreme and parallel computing.

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 category A

## Additional information

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

## Appendices

More than 60 international publications in academic conference and hacking conferences (Black Hat, CansecWest, Brucon, PacSec, Hack.lu...)

About 30 papers in Research Journals and author of reference books/chapters in books.  
 PhD tutor mentorship ability  
 Website <https://sites.google.com/site/ericfiliol/>