Sebastien VARRETTE, PhD

Research Associate
specialized in Distributed Platforms Security and HPC/Cloud systems.
10 years of experience in Linux HPC systems

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Born on November 27th, 1979 (in France)
Married (2004), two children (2007,2010)

ENGINEER EXPERTISE:	High Performance Computing (HPC), Grid, Cluster & Cloud Platforms.
	I'm administrating cluster-based HPC systems since 2003 (Linux environment)
	Keywords: HPC, Debian, Xen, Puppet, OpenLDAP, git

MAIN RESEARCH DOMAINS: Security and Evaluation of Distributed Computing Platforms (clusters, grids or clouds).
Relevant contributions in which I'm involved:
- Code Obfuscation , CERTICLOUD, a Cloud IaaS secure platform
- Crash/cheating faults analysis in grid platforms
- Performance evaluation & Energy efficiency of HPC/Cloud platforms
- Design of the authentication system of Grid5000
- Developing security awareness by education

Education

2007	PH.D. IN COMPUTER SCIENCE,	with honours (*Excellent/Outstanding*)
	University of Luxembourg (UL) & Institut National Polytechnique de Grenoble (INPG)	
2003	M.SC. IN COMPUTER SCIENCE	with honours (*TB/First Class*)
	Speciality: Cryptology, Security and Information Coding (CSCI),	rank: 1st
2003	MASTER'S DEGREE IN ENGINEERING (Telecoms ENSIMAG)	with honours (*B/2.1*)
	Speciality: Computer Sciences and Telecommunications	rank: top 10%

Employment

2011 – now	RESEARCH ASSOCIATE (UL, Luxembourg)
2007 – 2010	SCIENTIFIC COLLABORATOR (UL, Luxembourg)
2004 – 2007	RESEARCH ASSISTANT (UL, Luxembourg)
2003	SYSTEM ADMINISTRATOR (ID-IMAG, Grenoble, France)

Publications

Publication category	Quantity
PhD Thesis	1
Books	4
Magazine	1
Book Chapters	7
International journals	5
International conferences with proceedings and reviews	32
(French) national conferences with proceedings and reviews	4
International conferences with proceedings	1
International conferences with reviews	7
Masters Thesis	1
Technical Reports	8
Miscellaneous	1
Total:	**72**