

# Sebastien VARRETTE, PhD

Research Scientist, Deputy Head HPC for Research  
Management, Security and Performance of HPC systems

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Born on November 27th, 1979 (in France)

Married (2004), two children (2007,2010)

*Short bio:* With more than 13 years of postdoctoral and team management experience, Dr. Varrette is Research Scientist within the University of Luxembourg. Expert in the deployment and management of High Performance Computing (HPC) systems, he is leading with Prof. Pascal Bouvry the development of the University's HPC and Big Data platform, as well as the associated core expert team managing and supporting it.

In parallel, he is pursuing his research in the domains of the security and performance of parallel and distributed computing platforms, such as HPC, Cloud Computing or Data Analytics infrastructures. His research contributions led to more than 80 publications in high-level scientific journals, or international conference proceedings while co-authoring 4 books. He has a strong involvement in the community with reviewing roles in impact journals, conferences organization (e.g., IEEE CloudCom) and the participation to more than 50 conference program committee.

Finally, he takes part for the management committee and represents Luxembourg within multiple EU HPC projects, such as [PRACE](#) (acting Advisor), [ETP4HPC](#) or several COST actions. He has also concrete contributions in several strategic projects linked to HPC developed with multiple key decision makers in the Luxembourg context, either from the private sector or at the governmental level. He's also acting as HPC expert for the European Commission in the Enhanced Regional EU-ASEAN Dialogue Instrument (E-READI) program.

TECHNICAL / MANAGEMENT EXPERTISE:	High Performance Computing (HPC), Big Data (BD) & Cloud technologies. Managing large-scale HPC and Data analytics systems since 2003 (Linux environment) <b>HPC Team Leader since 2007</b> (Deputy head, HPC for Research)
MAIN RESEARCH DOMAINS:	Security and Evaluation of Distributed Computing Platforms

## Education

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

## Publications

Publication category	Quantity
Books	7
Magazine	1
Book Chapters	12
Edited Books / Proceedings	1
International journals	9
International conferences with proceedings and reviews	50
(French) national conferences with proceedings and reviews	4
International conferences with reviews (no proceedings)	7
PhD Thesis	1
Masters Thesis	1
Technical Reports and Presentations	39
Miscellaneous / Poster	1

**Total: 133**

<a href="#">Publish or Perish</a>	Papers:172	Citations:775, Years:17	<b>h-index:12</b>	g-index:24
<a href="#">Orbi<sup>lu</sup></a>	Cites/year: 45.59	Cites/paper: 4.51	Authors/paper: 3.70	Query date: <b>2020-01-02</b>
	<a href="#">DBLP</a>	<a href="#">Google Scholar</a>		