

# Sebastien VARRETTE, PhD

Research Scientist, Head Research Computing and HPC operations  
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 15 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 the University's HPC and Big Data platform, and the associated expert team managing and supporting this facility.

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 100 publications in high-level scientific journals, or international conference proceedings while co-authoring 5 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.

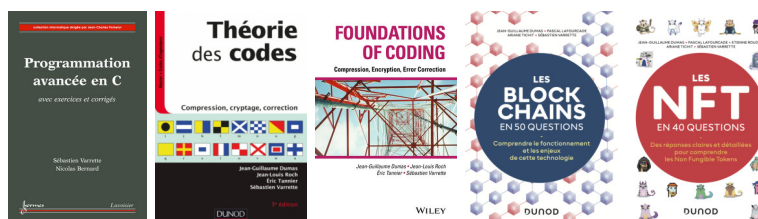
Finally, he takes part for the management committee and represents Luxembourg within multiple EU HPC projects, such as [PRACE](#) (acting Advisor), [CASTIEL](#), [ETP4HPC](#) or several COST actions. He has also concrete contributions in several strategic projects linked to HPC developed with multiple key decision makers in the Luxembourg context, either from the private sector or at the governmental level (Ex: EuroHPC MeluXina Supercomputer). 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)  
**HPC Team Leader since 2007** (Head, Uni.lu HPC facility)

MAIN RESEARCH DOMAINS:  
BOOKS :

Security and Performance Evaluation of Distributed Computing Platforms



## Publications

Publication category	Quantity
Books	9
Magazine	1
Book Chapters	12
Edited Books / Proceedings	1
International journals	9
International conferences with proceedings and reviews	59
(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	45
Miscellaneous / Poster	1
<b>Total:</b>	<b>150</b>

<a href="#">Publish or Perish</a>	Papers:188	Citations:1061, Years:18	<b>h-index:14</b>	g-index:29
<a href="#">Orbi<sup>lu</sup></a>	Cites/year: 55.84	Cites/paper: 5.64	Authors/paper: 3.82	Query date: <b>2022-02-01</b>
	<a href="#">DBLP</a>	<a href="#">Google Scholar</a>		