

Thibault CHOLEZ

Curriculum Vitae

Abstract

Thibault CHOLEZ, PhD
Associate Professor at the University of Lorraine
Laboratory : LORIA, UMR 7503 (UL, CNRS, INRIA)
Research Topic : Data Network Monitoring and Analytics
Nationality : French



Contact Information

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Higher Education

June 2011 Ph.D. in Computer Science, "*Monitoring of structured peer-to-peer networks applied to the security of contents*", Université Henri Poincaré, Nancy, France

June 2007 Research Master's degree in Computer Science, Major in Computer Networks and Distributed Systems, Université Henri Poincaré, Nancy, France

June 2007 Engineer's degree from TELECOM Nancy, Engineering School (Grande École) in Information Technology (equivalent to a professional master's degree), Nancy, France

Professional Experience

Since Septembre 2013 : Associate professor at the University of Lorraine, Nancy, France

- Teaching activities at TELECOM Nancy, Engineering School in Information Technology affiliated to Institut Mines-Télécom and Lorraine INP.
- Research activities in MADYNES team (Management of Dynamic Networks and Services), NSS department (Networks, Systems and Services), LORIA laboratory (Lorraine Research Laboratory in Computer Science and its Applications).

September 2011 - September 2013 : Postdoctoral researcher at the SnT research centre (Interdisciplinary Centre for Security, Reliability and Trust), University of Luxembourg, Luxembourg. Working on the security of networks and services in the context of the Internet of Things. Involved in two large EU FP7 R&D projects (BUTLER and IoT6). Teaching Associate for undergraduates.

January 2011 - August 2011 : Postdoctoral researcher at UTT (Troyes University of Technology), Troyes, France.

Working in ERA team (Autonomic Networking) on the detection of malicious nodes in large-scale P2P networks. Teaching Associate for Master's students.

October 2007 - December 2010 : Ph.D student at INRIA (National Institute for Research in Computer Science), Nancy, France.

Working in MADYNES team on the monitoring and security of large-scale P2P networks, in the frame of a research project funded by the French National Research Agency (ANR MAPE).

Teaching activities

As an associate professor, I teach several modules in computer science to students between the 3rd year of Licence (L3) and the last year of Master (M2). The amount of teaching hours given to students each year¹ is summarized in the following table. I also supervise students' research projects, engineering projects and internships.

Courses	Level	13-14	14-15	15-16
Algorithmics	L3	54H	44H	44H
Computer Networks	L3	26H	71H	22H
C / Shell Programming	L3	22H	41H	43H
Computer Architecture	L3	16H	-	-
Object-Oriented Programming	L3	34H	27H	35H
Databases	L3	54H	30H	-
Smart Objects Programming	M1	10H	32H	8H
Admin of Network Services	M1	-	8H	-
Mobile applications and IoT	M2	-	23H	44H
Supervision of students	-	42H	72H	106H
Total	-	258H	348H	302H

Research activities

TO DO.

Main Publications

- [1] W. M. Shbair, T. Cholez, J. François, and I. Chrisment, "A Multi-Level Framework to Identify HTTPS Services," in *IFIP/IEEE Network Operations and Management Symposium (NOMS 2016)*, Istanbul, Turkey, Apr. 2016, pp. 240–248. [Online]. Available : <https://hal.inria.fr/hal-01273160>
- [2] W. M. Shbair, T. Cholez, A. Goichot, and I. Chrisment, "Efficiently Bypassing SNI-based HTTPS Filtering," in *IFIP/IEEE International Symposium on Integrated Network Management (IM 2015)*, Ottawa, Canada, May 2015, pp. 990–995. [Online]. Available : <https://hal.inria.fr/hal-01202712>
- [3] T. Cholez, I. Chrisment, O. Festor, and G. Doyen, "Detection and mitigation of localized attacks in a widely deployed P2P network," *Peer-to-Peer Networking and Applications*, vol. 6, no. 2, pp. 155–174, May 2012. [Online]. Available : <https://hal.inria.fr/hal-00786438>
- [4] G. Montassier, T. Cholez, G. Doyen, R. Khatoun, I. Chrisment, and O. Festor, "Content Pollution Quantification in Large P2P networks : a Measurement Study on KAD," in *11th IEEE International Conference on Peer-to-Peer Computing (IEEE P2P'11)*, Kyoto, Japan, Aug. 2011, pp. 30–33. [Online]. Available : <https://hal.inria.fr/inria-00619965>

1. in France, faculty staff must teach at least 192 H per academic year