

Jean-Philippe Eisenbarth

PH.D STUDENT · SOFTWARE/CYBERSECURITY ENGINEER

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Formation

Université de Lorraine

Laboratoire LORIA (UMR 7503),

Nancy, France

2019 - present

PH.D IN COMPUTER SCIENCE

- Title : Monitoring and security of P2P Networks of Blockchain Systems
- Supervisors: Thibault Cholez et Olivier Perrin

Université de Lorraine

TELECOM Nancy, France

2013 - 2016

ENGINEERING DEGREE IN COMPUTER SCIENCE (EQUIVALENT TO MASTER'S DEGREE)

- Major in Telecommunications, Network and Cybersecurity Vulnerability Test Suite Generator
- Final project with the SARD team from NIST : Collection of vulnerable and fixed synthetic test cases expressing specific flaws
<https://github.com/stivalet/Vulnerability-Test-Suite-generator>

Université de Lorraine

IUT Nancy-Charlemagne, France

2011 - 2013

TECHNICAL DEGREE IN COMPUTER SCIENCE (EQUIVALENT TO BACHELOR DEGREE)

Professional Experience

2019- Ph.D student at University of Lorraine, RESIST Team from Loria laboratory, Nancy, France, Working on the monitoring and security of P2P networks of blockchains systems. Funding from the european project H2020 CONCORDIA

2016-2019 Research engineer, COAST Team from Loria, Nancy, France, Projet OpenPaas :NG, Research and development on a peer-to-peer end-to-end encrypted real-time collaborative editor. Funding from the Banque Publique d'Investissement (BPI France)

Publications

REFEREED CONFERENCES

A Comprehensive Study of the Bitcoin P2P Network. Jean-Philippe Eisenbarth, Thibault Cholez, Olivier Perrin. BRAINS 2021 – 3rd Conference on Blockchain Research & Applications for Innovative Networks and Services, Sep 2021, Paris, France. Disponible : <https://hal.inria.fr/hal-03244771>

An open measurement dataset on the Bitcoin P2P Network. Jean-Philippe Eisenbarth, Thibault Cholez, Olivier Perrin. IM 2021 – 17th IFIP/IEEE International Symposium on Integrated Network Management, May 2021, Bordeaux, France. Disponible : <https://hal.inria.fr/hal-03244771>

Blockchain-Based Auditing of Transparent Log Servers. Hoang-Long Nguyen, Jean-Philippe Eisenbarth, Claudia-Lavinia Ignat, Olivier Perrin. DBSec 2018 – 32th IFIP Annual Conference on Data and Applications Security and Privacy, Jul 2018, Bergamo, Italy. Disponible : <https://hal.archives-ouvertes.fr/hal-01917636>

Présentations

* presenter

INVITED TALKS

Jean-Philippe Eisenbarth*, Thibault Cholez, Olivier Perrin. 2022. *Ethereum's Peer-to-Peer Network Monitoring and Sybil Attack Prevention*. H2020 Concordia Workshop on Blockchain and Distributed Ledger Technologies (virtual)

POSTERS

Jean-Philippe Eisenbarth*, Thibault Cholez, Olivier Perrin. 2019. *Securing the future blockchain-based cybersecurity services*. CONCORDIA OpenDoor, Luxembourg

Jean-Philippe Eisenbarth*, Thibault Cholez, Olivier Perrin. 2021. *An open measurement dataset on the Bitcoin P2P Network: Strategy and Analysis*. CONCORDIA OpenDoor, Luxembourg

Teaching Experience

2021-2022	GNU/Linux and Shell introduction, Web development, C/Shell, System (Linux), Lecturer	TELECOM Nancy
2019-2021	GNU/Linux and Shell introduction, OOP - Data structures, C/Shell, System (Linux), Lecturer	TELECOM Nancy
2018-2019	GNU/Linux and Shell introduction, Data structures, Shell, Lecturer	TELECOM Nancy
2017-2018	GNU/Linux and Shell introduction, Data structures, Big Data, Lecturer	TELECOM Nancy
2016-2017	GNU/Linux and Shell introduction, OOP - Data structures, Lecturer	TELECOM Nancy

Co-supervisions

FIRST YEAR MASTER'S DEGREE INTERSHIP (2-3 MONTH)

	Ambroise Sander, TELECOM Nancy,	
2020-2021	<ul style="list-style-type: none">• Topic : Analysis of the P2P Network of Ethereum and detection of suspicious behaviors	RESIST TEAM at Loria Laboratory