

Stevens Le Blond

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Academic Appointments

- **Ecole Polytechnique Fédérale de Lausanne (EPFL)**
Research Scientist, 2017-present.
- **Max Planck Institute for Software Systems (MPI-SWS)**
Research Scientist, 2015-2017.
- **MPI-SWS**
Postdoctoral Researcher, 2011-2015
Mentor: Paul Francis
- **New York University (NYU)**
Visiting Researcher, 2010
Mentor: Keith Ross
- **INRIA, Sophia Antipolis**
Ph.D., 2007-2011
Advisors: Walid Dabbous and Arnaud Legout
- **Vrije Universiteit, Amsterdam**
M.Sc., 2004-2007
Advisor: Maarten van Steen

Selected Press Coverage

- 2016 — Building a New Tor That Can Resist Next-generation State Surveillance, Ars Technica
- 2013 — Anonymity Network Tor Needs a Tune-up to Protect Users from Surveillance, MIT Technology Review
- 2012 — Skype Knew of Security Flaw Since November 2010, Researchers Say, Wall Street Journal

Publications

Referred Conference Papers

1. **Stevens Le Blond**, Alejandro Cuevas, Juan Ramn Troncoso-Pastoriza, Philipp Jovanovic, Bryan Ford, Jean-Pierre Hubaux. On Enforcing the Digital Immunity of a Large Humanitarian Organization. In Proc. of *IEEE S&P*, 2018, San Francisco, CA. **(12%) Distinguished Paper Award (549 submitted papers)**
2. Brown Farinholt, Mohammad Rezaeirad, Paul Pearce, Hitesh Dharamdasani, Haikuo Yin, **Stevens Le Blond**, Damon McCoy, Kirill Levchenko. To Catch a Ratter: Monitoring the Behavior of DarkComet RAT Operators in the Wild. In Proc. of *IEEE S&P*, 2017, San Jose, CA. **(13%)**
3. **Stevens Le Blond**, Cédric Gilbert, Utkarsh Upadhyay, Manuel Gomez Rodriguez, David Choffnes. A Broad View of the Ecosystem of Socially Engineered Exploit Documents. In Proc. of *NDSS*, 2017, San Diego, CA. **(16%)**
4. **Stevens Le Blond**, David Choffnes, William Caldwell, Peter Druschel, Nick Merritt. Herd: A Scalable Traffic Analysis Resistant Anonymity Network for VoIP Systems. In Proc. of *ACM SIGCOMM*, 2015, London, UK. **(15%)**
5. **Stevens Le Blond**, Adina Uritesc, Cédric Gilbert, Zheng Leong Chua, Prateek Saxena, Engin Kirda. A Look at Targeted Attacks Through the Lense of an NGO. In Proc. of *Usenix Security*, 2014, San Diego, CA. **(19%)**
6. **Stevens Le Blond**, David Choffnes, Wenxuan Zhou, Peter Druschel, Hitesh Ballani, Paul Francis. Towards Efficient Traffic Analysis Resistant Anonymity Networks. In Proc. of *ACM SIGCOMM*, 2013, Hong Kong. **(15%)**
7. **Stevens Le Blond**, Chao Zhang, Arnaud Legout, Keith Ross, Walid Dabbous. I Know Where you Are and What You Are Sharing: Exploiting P2P Communications to Invade Users' Privacy. In Proc. of *ACM/Usenix IMC*, 2011, Berlin. **(19%)**
8. Stevens Le Blond, Fabrice Le Fessant, Erwan Le Merrer. Finding Good Partners in Availability-aware P2P Systems. In Proc. of the *11th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS)*, 2009, Lyon, France.

Referred Workshop Papers

1. **Stevens Le Blond**, Pere Manils, Abdelberi Chaabane, Mohamed Ali Kaafar, Claude Castelluccia, Arnaud Legout, Walid Dabbous. One Bad Apple Spoils the Bunch: Exploiting P2P Applications to Trace and Profile Tor Users. In Proc. of the *4th USENIX Workshop on Large-Scale Exploits and Emergent Threats (LEET)*, 2011, Boston, MA.
2. **Stevens Le Blond**, Arnaud Legout, Fabrice Le Fessant, Walid Dabbous, Mohamed Ali Kaafar. Spying the World from your Laptop: Identifying Content Providers and Big Downloaders in BitTorrent. In Proc. of the *3rd USENIX Workshop on Large-Scale Exploits and Emergent Threats (LEET)*, 2010, San Jose, CA.

3. Stevens Le Blond, Ana-Maria Oprescu, Chen Zhang. Early Application Experience with the Grid Application Toolkit (GAT). In Proc. of the *14th Global Grid Forum (GGF14)*, 2005, Chicago, IL.
4. **Stevens Le Blond**, Jean-Loup Guillaume, Matthieu Latapy *Clustering in P2P Exchanges and Consequences on Performances*. In Proc. of the *4th Annual International Workshop on Peer-To-Peer Systems (IPTPS)*, 2005, Cornell University, Ithaca. **(19%)**
5. Matthieu Latapy, Jean-Loup Guillaume, **Stevens Le Blond**. Statistical Analysis of a P2P Query Graph Based on Degrees and their Time-Evolution. In Proc. of the *6th International Workshop on Distributed Computing (IWDC)* 2004, Kolkata, India.

Referred Journal Papers

1. **Stevens Le Blond**, Arnaud Legout, Walid Dabbous. Pushing BitTorrent Locality to the Limit. In *Computer Networks*, Volume 55, Issue 3, Page 541-557, 2011.
2. Stevens Le Blond, Fabrice Le Fessant, Erwan Le Merrer. Choosing Partners Based on Availability in P2P Networks. In *ACM Transactions on Autonomous and Adaptive Systems*, 2011.

Book Chapters

1. Fabrice Le Fessant and **Stevens Le Blond**. *Une Application des Protocoles Epidemiques: La Sélection de Partenaires Suivant leur Disponibilité*. Evolution des Technologies Peer-to-peer, Hermès, 2011.

Invited Talks

- 2018 — *Towards Enforcing the Digital Immunity of Humanitarian Organizations*, Chinese Univ. of Hong Kong, INRIA, Hebrew Univ. of Jerusalem, National Taiwan Univ., National Univ. of Singapore, New South Wales Univ., Technion, Univ. of Melbourne, ULisboa.
- 2014 — *The Slingshot Project: Measuring, Analyzing, and Defending Against Targeted Attacks*, Google, MSR Redmond, UC Berkeley, UC Santa Barbara, UC San Diego, Univ. of Washington.
- 2013 — *Towards Efficient Traffic Analysis Resistant Anonymity Networks*, MSR Cambridge, National Univ. of Singapore, NYU, Northeastern Univ., Univ. of Toronto
- 2011 — *I Know Where You Are and What You Are Sharing.*, MPI-SWS, Northeastern Univ.

References

Available upon request.