

FLAVIO TOFFALINI

60 Lengkong Tiga ◇ Singapore, Singapore 417454
(+65) · 83410549 ◇ flavio_toffalini@mymail.sutd.edu.sg

EDUCATION

- Singapore University of Technology and Design, Singapore** *Jan 2017*
Ph.D. Student, supervisor Prof. Jianying Zhou
Topic: trusted computing, system security
- University of Verona, Italy** *Oct 2015*
M.S. in Computer Science and Engineering 108/110, GPA 3,9/4
Supervisor Prof. Damiano Carra
Master thesis topic: Google dorks, Web security
- University of Pavia, Italy** *Dec 2009*
B.S. in Computer Engineer 101/110, GPA 3,67/4
Supervisor Prof. Paolo Gamba

ACADEMIC ACTIVITIES

- University of Padua** Jan 2018 - Aug 2018
Visiting fellow, supervised by Prof. Mauro Conti
Padua, Italy
· Topic: trusted computing, system security
- Singapore University of Technology and Design** Aug 2016 - Dec 2017
Research Assistant, supervised by Prof. Martín Ochoa
Singapore, Singapore
· Topic: insider threats, trusted computing
- University of Verona** Dec 2015 - July 2016
Research Assistant, supervised by Prof. Fausto Spoto
Verona, Italy
· Topic: static analysis of Android applications
- Eurecom** April 2015 - July 2015
Visiting fellow, supervised by Prof. Davide Balzarotti
Biot, France
· Topic: Google dorks, Web security

PUBLICATIONS

- Insight Into Insiders and IT: A Survey of Insider Threat Taxonomies, Analysis, Modeling, and Countermeasures** journal - 2019
ACM Computing Surveys (CSUR)
· Homoliak I., Toffalini F., Guarnizo J., Elovici Y., Ochoa M.
- Careful-Packing: A Practical and Scalable Anti-Tampering Software Protection enforced by Trusted Computing** conference - 2019
9th ACM Conference on Data and Application Security and Privacy (CODASPY)
· Toffalini F., Ochoa M., Sun J., and Zhou J.

- Practical static analysis of context leaks in Android applications** journal - 2019
Software: Practice and Experience
- **Toffalini F.**, Sun J., and Ochoa M.
- Static Analysis of Context Leaks in Android Applications** conference - 2018
40th International Conference on Software Engineering: Software Engineering in Practice (SEPA@ICSE)
- **Toffalini F.**, Sun J., and Ochoa M.
- Detection of Masqueraders Based on Graph Partitioning of File System Access Events** workshop - 2018
IEEE Security and Privacy Workshops (SPW)
- **Toffalini F.**, Homoliak I., Harilal A., Binder A., and Ochoa M.
- The Wolf Of SUTD (TWOS): A Dataset of Malicious Insider Threat Behavior Based on a Gamified Competition** journal - 2018
Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)
- Harilal A., **Toffalini F.**, Homoliak I., Castellanos J., Guarnizo J., Mondal S., and Ochoa M.
- TWOS: A Dataset of Malicious Insider Threat Behavior Based on a Gamified Competition** workshop - 2017
9th ACM CCS International Workshop on Managing Insider Security Threats (MIST)
- Harilal A., **Toffalini F.**, Castellanos J., Guarnizo J., Homoliak I., and Ochoa M.
- Google Dorks: Analysis, Creation, and new Defenses** conference - 2016
Detection of Intrusions and Malware, and Vulnerability Assessment 13th International Conference, (DIMVA)
- **Toffalini F.**, Abba' M., Carra D. and Balzarotti D.
- REnvDB, a RESTful Database for Pervasive Environmental Wireless Sensor Networks** workshop - 2010
IEEE Distributed Computing Systems Workshops (ICDCSW)
- De Stefani F., Gamba P., Goldoni E., Savioli A., Silvestri D., and **Toffalini F.**