FLAVIO TOFFALINI

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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

ScaRR: Scalable Runtime Remote Attestation for Complex Systems　　conference - 2019
The 22nd International Symposium on Research in Attacks, Intrusions and Defenses (RAID)

· **Toffalini F.**, Losiouk E., Biondo A., Zhou J., Mauro Conti M.

**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
The 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
*The 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
The 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
The 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.**