Curriculum Vitæ of Stanislav Dashevskyi

Contact Information

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Research Interests

Software Security, Software Vulnerabilities, Security Security of Software Supply Chain

Skills

Programming (Java, Python), System administration (Linux, Docker), Web application development (ASP.NET, node.js), Mobile (Android), Statistical software packages (R, Matlab, scikit-learn, understanding of basic machine learning algorithms).

Education

2017	Ph.D., Computer Science - Software Security, University of Trento, Trento, Italy
	Thesis: *Security Assessment of Open Source Third-parties Applications*
	Supervisors: Prof. Dr. Fabio Massacci and Dr. Antonino Sabetta
2010	BSc. MSc., Computer Science - Automation and Control Systems, National Mining University, Dnipropetrovsk, Ukraine.
	Thesis: *Modelling an Automated Temperature Control System for Multichannel Iron Ore Roasting Machines and Optimizing Natural Gas Consumption Parameters.*
	Supervisor: Prof. Dr. Tkachov V.V.

Training and Internships

2017	FOSAD summer school on Foundations of Security Analysis and Design (Bertinoro, Italy).
2016	SECENTIS winter school on Security and Trust of Next Generation Enterprise Information Systems (Trento, Italy).
2015	Internship at SAP on Security Assessment of Open Source Software Components, supervised by Dr. Achim D. Brucker (Karlsruhe, Germany).
2014	Marktoberdorf summer school on Dependable Software Systems Engineering (Marktoberdorf, Germany).
2010	Internship at the University of Reutlingen on developing an automated management system for a fleet of electric vehicles, supervised by Prof. Dr. Gerhard Gruhler (Reutlingen, Germany).

Research Experience

Since Sep. 2017	Interdisciplinary Centre for Security, Reliability and Trust (SnT), SaToSS research group, University of Luxembourg Supervisor: Prof. Dr. Sjouke Mauw

Work Experience

Jan. 2012 - Aug 2013   QA Engineer at Sitecore (Ukrainian office)
Software test automation, working on creating company's own software testing frameworks, continuous integration tasks and security testing.

Scientific Projects

SECENTIS: Security and Trust of Next Generation Enterprise Information Systems.

Awards

2010   Baden-Württemberg Scholarship, Reutlingen, Germany

Publications

Journals

3. **S. Dashevskyi**, A. D. Brucker, and F. Massacci. "A Screening Test for Disclosed Vulnerabilities in FOSS Components". Accepted for publication in IEEE Transactions on Software Engineering (TSE), 2018.

2. **S. Dashevskyi**, D. R. dos Santos, F. Massacci, and A. Sabetta. "TestREx: a Framework for Repeatable Exploits". International Journal of Software Tools for Technology Transfer (STTT), 2017.

1. V.H. Nguyen,**S. Dashevskyi**, and F. Massacci. "An Automatic Method for Assessing the Versions Affected by a Vulnerability". Empirical Software Engineering Journal (ESE), 2016.

Conferences

6. A. Pilgun, O. Gadyatskaya, **S. Dashevskyi**, Y. Zhauniarovich, and A. Kushniarou. "An Effective Android Code Coverage Tool". CCS'2018 (DEMO).

5. **S. Dashevskyi**, O. Gadyatskaya, A. Pilgun and Y. Zhauniarovich. "The Influence of Code Coverage Metrics on Automated Testing Efficiency in Android". CCS'2018 (POSTER).

4. **S. Dashevskyi**, A. D. Brucker, and F. Massacci. "On the Effort for Security Maintenance of Free and Open Source Components". Presented at WEIS 2018, Innsbruck, AT.

3. I. Pashchenko, **S. Dashevskyi**, and F. Massacci. "DeltaBench: Differential Benchmark for Static Analysis Security Testing Tools". In Proceedings of the International Symposium on Empirical Software Engineering and Measurement (ESEM), 2017.

2. **S. Dashevskyi**, A. D. Brucker, and F. Massacci. "On the Security Cost of Using a Free and Open Source Component in a Proprietary Product". In Proceedings of the Engineering Secure Software and Systems Conference (ESSoS), 2016.

1. **S. Dashevskyi**, D. R. Dos Santos, F. Massacci, and A. Sabetta. "TestREx: a Testbed for Repeatable Exploits". In Proceedings of the 7th USENIX Workshop on Cyber Security Experimentation and Test (USENIX CSET), 2014.

Patents

2. A. D. Brucker, **S. Dashevskyi**. "Vulnerability Analysis of Software Components", US Patent App. 14/965,449, 2017.

1. A. Sabetta, L. Compagna, S. Ponta, **S. Dashevskyi**, D.R. Dos Santos, and F. Massacci. "Multi-Context Exploit Test Management". US Patent App. 14/692,203, 2016.

Book Chapters

1. L. ben Othmane, A. D. Brucker, **S. Dashevskyi**, and P. Tsalovski, "Empirical research for software security: foundations and experience". In, L. ben Othmane, M.G. Jaatun, and E. Weippl, Eds. CRC Press, 2017, ch. "An introduction to data analytics for software security".

Talks	2. A. D. Brucker, **S. Dashevskyi**, and F. Massacci, "Using Third-party Components for Building an Application Might be More Dangerous than You Think!". OWASP AppSec Europe, 2016. (Slides) (Recording)
	1. **S. Dashevskyi**, A. D. Brucker, and F. Massacci, "A Screening Test for Disclosed Vulnerabilities in FOSS Components", Journal-First presentation at ICSE 2019.

Teaching Experience

2019	Teaching assistant for the Network Security] Master course on network security offered by the University of Luxembourg.
2019	Teaching assistant for the Introduction to IT Security Bachelor course on network security offered by the University of Luxembourg.
2018	Teaching assistant for the Network Security] Master course on network security offered by the University of Luxembourg.
2017	Teaching assistant for the ICT Innovation/Product Design and Development Master course offered by the University of Trento.
2017	Teaching assistant for the Offensive Technologies Master course offered by the University of Trento.
2014	Teaching assistant for the Offensive Technologies Master course offered by the University of Trento.