

Curriculum Vitæ of Stanislav Dashevskyi

Contact Information

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Research Interests

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

Skills

Software testing, Programming (Java, Python), System administration (Linux, Docker), Web application development and security (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

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| Journals | <ol style="list-style-type: none">3. S. Dashevskiy, 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. Dashevskiy, 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. Dashevskiy, and F. Massacci. "An Automatic Method for Assessing the Versions Affected by a Vulnerability". Empirical Software Engineering Journal (ESE), 2016. |
| Conferences | <ol style="list-style-type: none">6. A. Pilgun, O. Gadyatskaya, S. Dashevskiy, Y. Zhauniarovich, and A. Kushniarou. "An Effective Android Code Coverage Tool". CCS'2018 (DEMO).5. S. Dashevskiy, O. Gadyatskaya, A. Pilgun and Y. Zhauniarovich. "The Influence of Code Coverage Metrics on Automated Testing Efficiency in Android". CCS'2018 (POSTER).4. S. Dashevskiy, 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. Dashevskiy, 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. Dashevskiy, 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. Dashevskiy, 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. |
| Tech. Reports | <ol style="list-style-type: none">2. S. Dashevskiy, Y. Zhauniarovich, O. Gadyatskaya, A. Pilgun, and H. Ouhssain. "Dissecting Android Cryptocurrency Miners". Available on arXiv.org, 2019.1. A. Pilgun, O. Gadyatskaya, S. Dashevskiy, Y. Zhauniarovich, and A. Kushniarou. "Fine-grained Code Coverage Measurement in Automated Black-box Android Testing". Available on arXiv.org, 2018. |
| Patents | <ol style="list-style-type: none">2. A. D. Brucker, S. Dashevskiy. "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

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| 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. |