

# 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"><li>3. <b>S. Dashevskiy</b>, 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.</li><li>2. <b>S. Dashevskiy</b>, 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.</li><li>1. V.H. Nguyen, <b>S. Dashevskiy</b>, and F. Massacci. "An Automatic Method for Assessing the Versions Affected by a Vulnerability". Empirical Software Engineering Journal (ESE), 2016.</li></ol>  |
| Conferences   | <ol style="list-style-type: none"><li>6. A. Pilgun, O. Gadyatskaya, <b>S. Dashevskiy</b>, Y. Zhauniarovich, and A. Kushniarou. "An Effective Android Code Coverage Tool". CCS'2018 (DEMO).</li><li>5. <b>S. Dashevskiy</b>, O. Gadyatskaya, A. Pilgun and Y. Zhauniarovich. "The Influence of Code Coverage Metrics on Automated Testing Efficiency in Android". CCS'2018 (POSTER).</li><li>4. <b>S. Dashevskiy</b>, A. D. Brucker, and F. Massacci. "On the Effort for Security Maintenance of Free and Open Source Components". Presented at WEIS 2018, Innsbruck, AT.</li><li>3. I. Pashchenko, <b>S. Dashevskiy</b>, 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.</li><li>2. <b>S. Dashevskiy</b>, 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.</li><li>1. <b>S. Dashevskiy</b>, 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.</li></ol> |
| Tech. Reports | <ol style="list-style-type: none"><li>2. <b>S. Dashevskiy</b>, Y. Zhauniarovich, O. Gadyatskaya, A. Pilgun, and H. Ouhssain. "Dissecting Android Cryptocurrency Miners". Available on <a href="#">arXiv.org</a>, 2019.</li><li>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 <a href="#">arXiv.org</a>, 2018.</li></ol>  |
| Patents       | <ol style="list-style-type: none"><li>2. A. D. Brucker, <b>S. Dashevskiy</b>. "Vulnerability Analysis of Software Components", US Patent App. 14/965,449, 2017.</li></ol>  |

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 <a href="#">Network Security</a> Master course on network security offered by the University of Luxembourg.              |
| 2019 | Teaching assistant for the <a href="#">Introduction to IT Security</a> Bachelor course on network security offered by the University of Luxembourg. |
| 2018 | Teaching assistant for the <a href="#">Network Security</a> Master course on network security offered by the University of Luxembourg.              |
| 2017 | Teaching assistant for the <a href="#">ICT Innovation/Product Design and Development</a> Master course offered by the University of Trento.         |
| 2017 | Teaching assistant for the <a href="#">Offensive Technologies</a> Master course offered by the University of Trento.                                |
| 2014 | Teaching assistant for the <a href="#">Offensive Technologies</a> Master course offered by the University of Trento.                                |