

Daniel Ricardo dos Santos

PERSONAL AND CONTACT INFORMATION	E-mail: danielricardo.santos@gmail.com Website: daniel-rs.github.io LinkedIn: linkedin.com/in/danielricardosantos	Date of Birth: Feb. 6, 1989 Place: Trento (TN), Italy Phone: +39 388 634 0742
AREAS OF INTEREST	Computer and Information Security; Software Engineering and Formal Methods; Machine Learning and Artificial Intelligence.	
EDUCATION	University of Trento (UNITN), Italy PhD. in Computer Science 11/2013 - Current <i>Thesis:</i> Automatic Security Analysis of Business Processes Federal University of Santa Catarina (UFSC), Brazil MSc. in Computer Science 10/2011 - 08/2013 <i>Thesis:</i> A Dynamic Risk-based Access Control Architecture for Cloud Computing BSc. in Computer Science 03/2007 - 07/2011 <i>Thesis:</i> Identity Management and Privacy in Cloud Computing	
EXPERIENCE	Fondazione Bruno Kessler, Italy & SAP Labs France <i>Early Stage Researcher</i> 09/2013 - Current SecPlus - Florianópolis, Brazil <i>Information Security Consultant</i> 10/2012 - 07/2013 Networks and Management Laboratory - UFSC - Florianópolis, Brazil <i>Researcher</i> 04/2012 - 07/2013 AltoQi - Florianópolis, Brazil <i>C++ developer</i> 10/2011 - 04/2012 Networks and Management Laboratory - UFSC - Florianópolis, Brazil <i>Undergraduate Researcher</i> 07/2010 - 07/2011	
FURTHER EDUCATION	SECENTIS Winter School - Security and Trust of Next Generation Enterprise Information Systems (2016) IEEE Italy Section School of Career Boosting (2015) Marktoberdorf Summer School - Dependable Software Systems Eng. (2014) UFSC Mathematics Summer School (2011)	
SKILLS	Languages: Portuguese, English, basic Italian. Programming Languages: Python, C/C++, Java, PHP, and JavaScript. Others: Penetration testing, Vulnerability research, Network and server administration.	

1. L. Compagna, **D.R. dos Santos**, S.E. Ponta, S. Ranise. “*Cerberus: Automated Synthesis of Enforcement Mechanisms for Security-sensitive Business Processes*” in Proceedings of the 22nd International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS), 2016
2. **D.R. dos Santos**, S. Ranise, L. Compagna, S.E. Ponta. “*Assisting the Deployment of Security-Sensitive Workflows by Finding Execution Scenarios*” in Data and Applications Security and Privacy XXIX (DBSec), 2015
3. C. Bertolissi, **D.R. dos Santos**, S. Ranise. “*Automated Synthesis of Runtime Monitors to Enforce Authorization Policies in Business Processes*” in Proceedings of the 10th ACM Symposium on Information, Computer and Communications Security (ASIACCS), 2015
4. S. Dashevskyi, **D.R. dos Santos**, F. Massacci, A. Sabetta. “*TESTREX: a Testbed for Repeatable Exploits*” in Proceedings of the 7th Workshop on Cyber Security Experimentation and Test (CSET), 2014
5. P.A.F. Vitti, **D.R. dos Santos**, C.B. Westphall, C.M. Westphall, K.M.M. Vieira. “*Current Issues in Cloud Computing Security and Management*” in Proceedings of the 8th International Conference on Emerging Security Information, Systems and Technologies (SECURWARE), 2014
6. **D.R. dos Santos**, C.M. Westphall, C.B. Westphall. “*A dynamic risk-based access control architecture for cloud computing*” in Proceedings of the IEEE/IFIP Network Operations and Management Symposium (NOMS), 2014
7. C.B. Westphall et al. “*Operation, Management, Security and Sustainability for Cloud Computing*” in Revista de Sistemas de Informação da FSMA, vol. 2014, no. 13, 2014
8. E.A. Rigon, C.M. Westphall, **D.R. dos Santos**, C.B. Westphall. “*A Cyclical Evaluation Model of Information Security Maturity*” in Information Management and Computer Security, vol. 22, no. 3, 2014
9. P. Silva, C.B. Westphall, C.M. Westphall M. Mattos, **D.R. dos Santos**. “*An Architecture for Risk Analysis in Cloud*” in Proceedings of the 10th International Conference on Networking and Services (ICNS), 2014
10. **D.R. dos Santos**, T.J. Nascimento, C.M. Westphall, M.A.P Leandro, C.B. Westphall. “*Privacy-preserving identity federations in the cloud: a proof of concept*” in International Journal of Security and Networks, vol. 9, no. 1, 2014
11. **D.R. dos Santos**, C.M. Westphall, C.B. Westphall. “*Risk-based Dynamic Access Control for a Highly Scalable Cloud Federation*” in Proceedings of the 7th International Conference on Emerging Security Information, Systems and Technologies (SECURWARE), 2013
12. R.F. de Souza, C.B. Westphall, **D.R. dos Santos**, C.M. Westphall. “*Challenges of Operationalizing PACS on Cloud Over Wireless Networks*” in Proceedings of the 9th International Conference on Wireless and Mobile Communications (ICWMC), 2013
13. R.F. de Souza, C.B. Westphall, **D.R. dos Santos**, C.M. Westphall. “*A Review of PACS on Cloud for Archiving Secure Medical Images*” in International Journal of Privacy and Health Information Management, vol. 1, no. 1, 2013
14. R.B. Brinhosa, C.M. Westphall, C.B. Westphall, **D.R. dos Santos**, F. Grezele. “*A Validation Model of Data Input for Web Services*” in Proceedings of the 12th International Conference on Networks (ICN), 2013
15. M.A.P. Leandro, T.J. Nascimento, **D.R. dos Santos**, C.M. Westphall, C.B. Westphall. “*Multi-Tenancy Authorization System with Federated Identity for Cloud-Based Environments Using Shibboleth*” in Proceedings of the 11th International Conference on Networks (ICN), 2012

16. **D.R. dos Santos**, C.M. Westphall, “*Uma aplicação de privacidade no gerenciamento de identidades em nuvem com uApprove*” in Anais do Simpósio Brasileiro em Segurança da Informação e de Sistemas Computacionais (SBSEG), 2011

SECURITY
ADVISORIES

CVE-2013-2618: Network Weathermap 0.97a Cross Site Scripting

CVE-2013-2619: Aspen 0.8 Directory Traversal

AWARDS AND
SCHOLARSHIPS

Best Student Paper Award, 2015 (DBSec conference)

EU grant for PhD studies, 2013-2016 (SECENTIS)

Scholarship for MSc. studies, 2012-2013 (REUNI/CNPq)

Scholarship for BSc. studies, 2010-2011 (PIBIC/CNPq)

TEACHING
ASSISTANCE

Applied Security (Offensive Technologies) - UNITN, Italy - 2014

Operating Systems - UFSC, Brazil - 2013

Computer Networks - UFSC, Brazil - 2013

SCIENTIFIC AND
PROFESSIONAL
ASSOCIATIONS

Association for Computing Machinery (ACM)

Working Group on Data and Applications Security and Privacy (IFIP WG11.3)