Fakultät für Informatik

Name:
Informatik 4 - Lehrstuhl für Software & Systems Engineering (Prof. Pretschner)

Occurences:
· Einrichtungen > Fakultäten > Fakultät für Informatik > Lehrstühle der Informatik
entries:

[1/231]: Saasha Nair and Sina Shafaei and Stefan Kugele and Mohd Hafeez Osman and Alois Knoll, Monitoring Safety of Autonomous Vehicles with Crash Prediction Networks, 2019

[2/231]: Supplementary material for the paper "Fitness Functions for Testing Automated and Autonomous Driving Systems" - Video 2: Multi-Objective Search Result

[3/231]: Supplementary material for the paper "Fitness Functions for Testing Automated and Autonomous Driving Systems" - Video 1: Single-Objective Search Result

[4/231]: Florian Hauer, Supplementary material for the paper "Fitness Functions for Testing Automated and Autonomous Driving Systems", 2019


[6/231]: Alexander Ludewig, Marian Daun, Ana Petrovska, Wolfgang Böhm, Alexander Fay, Requirements for modeling dynamic function networks for collaborative embedded systems, 2018

[7/231]: Valentin Zieglermeier, Real-Time Remote Intrusion Detection, Masterarbeit, 2018


[9/231]: Aleieldin Salem, Stimulation and Detection of Android Repackaged Malware with Active Learning, 2018


[11/231]: Pretschner, A., Ontology Based Personalized Search, 1999

[12/231]: Pretschner, A., Gauch, S., Personalization on the Web, 1999


[15/231]: Kelbert, Florian; Shirazi, Fatemeh; Simo, Hervais; Wüchner, Tobias; Buchmann, Johannes; Pretschner, Alexander; Waidner, Michael, State of Online Privacy: A Technical Perspective, Springer Science + Business Media, 2012


[18/231]: Ahmadvand, Mohsen; Hayrapetyan, Anahit; Banescu, Sebastian; Pretschner, Alexander, Practical Integrity Protection with Oblivious Hashing, Proceedings of the 34th Annual Computer Security Applications Conference on - ACSAC '18, ACM Press, 2018

[19/231]: Ahmadvand, Mohsen; Ibrahim, Amjad, Requirements Reconciliation for Scalable and Secure Microservice (De)composition, 2016 IEEE 24th International Requirements Engineering Conference Workshops (REW), IEEE, 2016

[20/231]: Ahmadvand, Mohsen; Pretschner, Alexander; Ball, Keith; Eyring, Daniel, Integrity Protection Against Insiders in Microservice-Based Infrastructures: From Threats to a Security Framework, Software Technologies: Applications and Foundations, Springer International Publishing, 2018

[21/231]: Ahmadvand, Mohsen; Pretschner, Alexander; Kelbert, Florian, A Taxonomy of Software Integrity Protection Techniques, Advances in Computers, Elsevier, 2018


Broy, M., Pretschner, A., Salzmann, C., Stauner, T., Software intensive systems in the automotive domain: challenges for research and education, SAE world congress, SAE special publication SP-2028 "In-vehicle software and hardware systems", 2006

Büchler, Matthias, Security Testing with Fault-Models and Properties, Software Testing, Verification and Validation (ICST), 2013 IEEE Sixth International Conference on, Institute of Electrical & Electronics Engineers (IEEE), 2013


Büchler, Matthias; Oudinet, Johan; Pretschner, Alexander, SPaCiTE -- Web Application Testing Engine, Proc. 3rd Intl. Workshop on Security Testing, Montreal, April 2012, Institute of Electrical & Electronics Engineers (IEEE), 2012

Büchler, Matthias; Oudinet, Johan; Pretschner, Alexander, Semi-Automatic Security Testing of Web Applications from a Secure Model, Proc. 6th IEEE Intl. Conf. on Software Security and Reliability, Institute of Electrical & Electronics Engineers (IEEE), 2012


Ciupa, Ilinca; Pretschner, Alexander; Leitner, Andreas; Oriol, Manuel; Meyer, Bertrand, On the Predictability of Random Tests for Object-Oriented Software, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008

Ciupa, Ilinca; Pretschner, Alexander; Oriol, Manuel; Meyer, Bertrand, A virtualized usage control bus system, Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), 2011


Cuadrado-Gallego, Juan J; Rodriguez-Soria, Pablo; González, Alfonso; Castelo, Dácil; Ognawala, Saahil, Early functional size estimation with IFPUG unit modified, 729–733, International Conference on Computer and Information Science, IEEE, 2010

Cârlan, Carmen; Gallina, Barbara; Kacianka, Severin; Breu, Ruth, Arguing on Software-Level Verification Techniques Appropriateness, Lecture Notes in Computer Science, Springer International Publishing, 2017

Cornelius Moucha, Enrico Lovat, and Alexander Pretschner, A virtualized usage control bus system, Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), 2011


Dieber, Bernhard; Breiling, Benjamin; Taurer, Sebastian; Kacianka, Severin; Rass, Stefan; Schartner, Peter, Security for the Robot Operating System, Robotics and Autonomous Systems, 2017, 98, 192-203

[64/231]: Duliu, Alexandru and Brosig, Richard; Ognawala, Saahil; Lasser, Tobias; Ziai, Mahzad; Navab, Nassir, Illumination Compensation and Normalization Using Low-Rank Decomposition of Multispectral Images in Dermatology, 613–625, Information Processing in Medical Imaging, Springer International Publishing, 2015

[65/231]: Dürrwang, J., Braun, M., Kriesten, R., Pretschner, A., Enhancement of Automotive Penetration Testing with Threat Analyses Results, To appear in SAE International Journal of Transportation Cybersecurity and Privacy, 2018

[66/231]: Felderer, Michael; Büchler, Matthias; Johns, Martin; Brucker, Achim D.; Breu, Ruth; Pretschner, Alexander, Security Testing, Advances in Computers, Elsevier BV, 2016

[67/231]: Felderer, Michael; Büchler, Matthias; Johns, Martin; Brucker, Achim D.; Breu, Ruth; Pretschner, Alexander, Security Testing, Advances in Computers, Elsevier BV, 2016

[68/231]: Fernández, Daniel Méndez; Ognawala, Saahil; Wagner, Stefan; Daneva, Maya, Where do we stand in requirements engineering improvement today?: first results from a mapping study, 58, Proceedings of the 8th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ACM New York, 2014

[69/231]: Fernández, Daniel Méndez; Ognawala, Saahil; Wagner, Stefan; Daneva, Maya, Where do we stand in requirements engineering improvement today?: first results from a mapping study, 58, Proceedings of the 8th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ACM, 2014

[70/231]: Feth, Denis; Pretschner, Alexander, Flexible Data-Driven Security for Android, Proceedings of the 2012 IEEE Sixth International Conference on Software Security and Reliability, Institute of Electrical & Electronics Engineers (IEEE), 2012

[71/231]: Florian Hauer; Bernd Holzmüller, Szenario-Optimierung für die Absicherung von automatisierten und autonomen Fahrsystemen, FKFS AutoTest Fachkonferenz, Test von Hardware und Software in der Automobilentwicklung, 2018

[72/231]: Forian Kelbert, Alexander Pretschner, Data Usage Control for Distributed Systems, ACM Transactions on Privacy and Security, 2018


[74/231]: Gauch, S., Chaffee, J., Pretschner, A., Ontology-Based Personalized Search and Browsing, Web Intelligence and Agent Systems: An International Journal - Volume 12, issue 4, 2003


[76/231]: Gheorghe, Gabriela; Massacci, Fabio; Neuhaus, Stephan; Pretschner, Alexander, GoCoMM: A Governance and Compliance Maturity Model, Proceedings of the First ACM Workshop on Information Security Governance, Association for Computing Machinery (ACM), 2009


[78/231]: Golagha, Mojdeh; Pretschner, Alexander, Challenges of Operationalizing Spectrum-Based Fault Localization from a Data-Centric Perspective, 2017 IEEE International Conference on Software Testing, Verification and Validation Workshops (ICSTW), IEEE, 2017


[80/231]: Golagha, Mojdeh; Raisuddin, Abu Mohammed; Mittag, Lennart; Hellhake, Dominik; Pretschner, Alexander, Aletheia, Proceedings of the 40th International Conference on Software Engineering Companion Proceeedings - ICSE ‘18, ACM Press, 2018

[82/231]: Harvan, Matúš; Pretschner, Alexander, State-Based Usage Control Enforcement with Data Flow Tracking using System Call Interposition, Proceedings of the 2009 Third International Conference on Network and System Security, Institute of Electrical & Electronics Engineers (IEEE), 2009

[83/231]: Hauer, Florian; Pretschner, Alexander; Schmitt, Maximilian; Groetsch, Markus, Industrial Evaluation of Search-Based Test Generation Techniques for Control Systems, 2017 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW), IEEE, 2017

[84/231]: Hilty, M., Basin, D., Pretschner, A., On Obligations, 10th European Symp. on Research in Computer Security (ESORICS'05), Springer LNCS, 2005


[88/231]: Hilty, Manuel; Pretschner, Alexander; Schaefer, Christian; Walter, Thomas, Usage Control Requirements in Mobile and Ubiquitous Computing Applications, Systems and Networks Communications, 2006. ICSNc '06. International Conference, Institute of Electrical & Electronics Engineers (IEEE), 2006

[89/231]: Hilty, Manuel; Pretschner, Alexander; Schaefer, Christian; Walter, Thomas, DUKE--Distributed Usage Control Enforcement, 8th IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY), Institute of Electrical & Electronics Engineers (IEEE), 2007


[92/231]: Holling, Dominik; Hofbauer, Andreas; Pretschner, Alexander; Gemmar, Matthias, Profiting from Unit Tests for Integration Testing, 2016 IEEE International Conference on Software Testing, Verification and Validation (ICST), Institute of Electrical and Electronics Engineers (IEEE), 2016

[93/231]: Holling, Dominik; Pretschner, Alexander; Gemmar, Matthias, 8Cage: Lightweight Fault-Based Test Generation for Simulink, Proceedings of the 29th ACM/IEEE International Conference on Automated Software Engineering, Association for Computing Machinery (ACM), 2014

[94/231]: Holling, Dominik; Stanescu, Alvin; Beckers, Kristian; Pretschner, Alexander; Gemmar, Matthias, Failure Models for Testing Continuous Controllers, 2016 IEEE 27th International Symposium on Software Reliability Engineering (ISSRE), Institute of Electrical and Electronics Engineers (IEEE), 2016

[95/231]: Huch, Fabian; Golagha, Mojdeh; Petrovska, Ana; Krauss, Alexander, Machine learning-based run-time anomaly detection in software systems: An industrial evaluation, 2018 IEEE Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLaTeSQuE), IEEE, 2018

[96/231]: Hutzelmann, Thomas; Banescu, Sebastian; Pretschner, Alexander, A Comprehensive Attack and Defense Model for the Automotive Domain, SAE International Journal of Transportation Cybersecurity and Privacy, 2019, 2, 1


[119/231]: Lovat, Enrico; Oudinet, Johan; Pretschner, Alexander, On quantitative dynamic data flow tracking, Proceedings of the 4th ACM Conference on Data and Application Security and Privacy, Association for Computing Machinery (ACM), 2014

[120/231]: Lovat, Enrico; Pretschner, Alexander, Data-centric multi-layer usage control enforcement, Proceedings of the 16th ACM Symposium on Access Control Models and Technologies, Association for Computing Machinery (ACM), 2011


[123/231]: Moucha, Cornelius; Lovat, Enrico; Pretschner, Alexander, A Hypervisor-Based Bus System for Usage Control, Proceedings of the 2011 Sixth International Conference on Availability, Reliability and Security, Institute of Electrical & Electronics Engineers (IEEE), 2011


[125/231]: Neisse, Ricardo; Pretschner, Alexander; Di Giacomo, Valentina, A Trustworthy Usage Control Enforcement Framework, Proceedings of the 2011 Sixth International Conference on Availability, Reliability and Security, Institute of Electrical & Electronics Engineers (IEEE), 2011


[129/231]: Ognawala, Saahil; Hutzelmann, Thomas; Psallida, Eirini; Pretschner, Alexander, Improving function coverage with munch, Proceedings of the 33rd Annual ACM Symposium on Applied Computing - SAC ‘18, ACM Press, 2018

[130/231]: Osman, Mohd Hafeez; Ho-Quang, Truong; Chaudron, Michel, An Automated Approach for Classifying Reverse-Engineered and Forward-Engineered UML Class Diagrams, 2018 44th Euromicro Conference on Software Engineering and Advanced Applications (SEAA), IEEE, 2018

[131/231]: Osman, Mohd Hafeez; Zaharin, Mohd Firdaus, Ambiguous software requirement specification detection, Proceedings of the 5th International Workshop on Requirements Engineering and Testing - RET ’18, ACM Press, 2018


[133/231]: Oudinet, Johan; Denise, Alain; Gaudel, Marie-Claude, A new dichotomic algorithm for the uniform random generation of words in regular languages, 165-176, Theoretical Computer Science 502:165-176, August 2013, Elsevier BV, 2013


[135/231]: Philipps, J.; Hahn, G.; Pretschner, A.; Stauner, T., Prototype-based tests for hybrid reactive systems, 14th IEEE Intl. workshop on Rapid System Prototyping, Institute of Electrical & Electronics Engineers (IEEE), 2003
[159/231]: Pretschner, A.; Lotzbeyer, H.; Philipps, J., Model based testing in evolutionary software development, 12th IEEE Intl. Workshop on Rapid System Prototyping (RSP’01), Institute of Electrical & Electronics Engineers (IEEE), 2001


[162/231]: Pretschner, A.; Schütz, F.; Schaefer, C.; Walter, T., Policy Evolution in Distributed Usage Control, 109-123, 4th Intl. Workshop on Security and Trust Management (STM’08), Elsevier BV, 2009


[173/231]: Pretschner, Alexander; Hilty, Manuel; Basin, David, Distributed usage control, 39, Communications of the ACM, Association for Computing Machinery (ACM), 2006

[174/231]: Pretschner, Alexander; Hilty, Manuel; Schütz, Florian; Schaefer, Christian; Walter, Thomas, Usage Control Enforcement: Present and Future, 44-53, Security Privacy, IEEE, Institute of Electrical & Electronics Engineers (IEEE), 2008


[176/231]: Pretschner, Alexander; Holling, Dominik; Eschbach, Robert; Gemmar, Matthias, A Generic Fault Model for Quality Assurance, 87-103, Model-Driven Engineering Languages and Systems, Moreira, Ana; Schätz, Bernhard; Gray, Jeff; Vallecillo, Antonio; Clarke, Peter, Springer Berlin Heidelberg, 2013


[179/231]: Pretschner, Alexander; Lötzbeyer, Heiko; Philipps, Jan, Model based testing in incremental system development, 315-329, Journal of Systems and Software 70(3), Elsevier BV, 2004


[181/231]: Pretschner, Alexander; Mouelhi, Tejeddine; Traon, Yves Le, Model-Based Tests for Access Control Policies, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008

[182/231]: Pretschner, Alexander; Mouelhi, Tejeddine; Traon, Yves Le, Model-Based Tests for Access Control Policies, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008

[183/231]: Pretschner, Alexander; Mouelhi, Tejeddine; Traon, Yves Le, Model-Based Tests for Access Control Policies, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008

[184/231]: Pretschner, Alexander; Philipps, Jan, Methodological Issues in Model-Based Testing, Model-Based Testing of Reactive Systems, Springer Science + Business Media, 2005

[185/231]: Pretschner, Alexander; Prenninger, Wolfgang, Computing Refactorings of Behavior Models, ACM/IEEE 8th Intl. Conf. on Model Driven Engineering Languages and Systems (MoDELS'05, formerly UML conferences), Springer LNCS 3717, pp.126-141, Montego Bay,, Springer Science + Business Media, 2005


[188/231]: Pretschner, Alexander; Walter, Thomas, Negotiation of Usage Control Policies - Simply the Best?, Availability, Reliability and Security, 2008. ARES 08. Third International Conference on Availability, Reliability and Security, Institute of Electrical & Electronics Engineers (IEEE), 2008


[192/231]: Rahman, Md. Rezaur; Golagha, Mojdeh; Pretschner, Alexander, Pairika, Proceedings of the 40th International Conference on Software Engineering Companion Proceedings - ICSE '18, ACM Press, 2018


[195/231]: Raschhofer, Siegfried: Arzt, Steven; Lovat, Enrico; Bodden, Eric, DroidForce: Enforcing Complex, Data-centric, System-wide Policies in Android, Availability, Reliability and Security (ARES), 2014 Ninth International Conference on, Institute of Electrical & Electronics Engineers (IEEE), 2014


[199/231]: Salem, Aleieldin; Paulus, F. Franziska; Pretschner, Alexander, Repackman: a tool for automatic repackaging of Android apps, Proceedings of the 1st International Workshop on Advances in Mobile App


[203/231]: Schnappinger, Markus; Osman, Mohd Hafeez; Pretschner, Alexander; Pizka, Markus; Fietzke, Arnaud, Software quality assessment in practice, Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement - ESEM ’18, ACM Press, 2018


[206/231]: Schüle, Maximilian E.; Schliski, Pascal M. N.; Hutzelmann, Thomas; Rosenberger, Tobias; Leis, Viktor; Vorona, Dimitri; Kemper, Alfons; Neumann, Thomas, Monopedia, Proceedings of the VLDB Endowment, 2017, 10, 12, 1921-1924


[208/231]: Shafaei, Sina; Kugele, Stefan; Osman, Mohd Hafeez; Knoll, Alois, Uncertainty in Machine Learning: A Safety Perspective on Autonomous Driving, Developments in Language Theory, Springer International Publishing, 2018


[216/231]: Traon, Yves Le; Mouelhi, Tejeddine; Pretschner, Alexander; Baudry, Benoit, Test-Driven Assessment of Access Control in Legacy Applications, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008

[217/231]: Traon, Yves Le; Mouelhi, Tejeddine; Pretschner, Alexander; Baudry, Benoit, Test-Driven Assessment of Access Control in Legacy Applications, Proc. 1st International Conference on Software Testing, Verification, and Validation (ICST), Institute of Electrical & Electronics Engineers (IEEE), 2008


[222/231]: Vigano, Luca, The SPaCloS Project: Secure Provision and Consumption in the Internet of Services, OWASP AppSec Research, Institute of Electrical & Electronics Engineers (IEEE), 2013


[224/231]: Wuchner, Tobias; Pretschner, Alexander, Data Loss Prevention Based on Data-Driven Usage Control, Proceedings of the 2012 IEEE 23rd International Symposium on Software Reliability Engineering, Institute of Electrical & Electronics Engineers (IEEE), 2012

[225/231]: Wuchner, Tobias; Pretschner, Alexander, Data Loss Prevention Based on Data-Driven Usage Control, 23rd IEEE International Symposium on Software Reliability Engineering, ISSRE 2012, Dallas, TX, USA, November 27-30, 2012, IEEE, 2012

[226/231]: Wuchner, Tobias; Müller, Steffen; Fischer, Robin, Compliance-Preserving Cloud Storage Federation Based on Data-Driven Usage Control, Cloud Computing Technology and Science (CloudCom), 2013 IEEE 5th International Conference on, Institute of Electrical & Electronics Engineers (IEEE), 2013

[227/231]: Wuchner, Tobias; Ochoa, Martin; Pretschner, Alexander, Malware detection with quantitative data flow graphs, Proceedings of the 9th ACM Symposium on Information, Computer and Communications Security, Association for Computing Machinery (ACM), 2014

[228/231]: Wuchner, Tobias; Pretschner, Alexander; Ochoa, Martin, DAVAST, Proceedings of the Eleventh Workshop on Visualization for Cyber Security, Association for Computing Machinery (ACM), 2014

[229/231]: Zhu, X., Gauch, S., Gerhard, L., Kral, N., Pretschner, A., Ontology-Based Web Site Mapping for Information Exploration, Proc. 8th Intl. Conf. on Information and Knowledge Management (CIKM'99), 1999

[230/231]: Zibaei, Ehsan; Banescu, Sebastian; Pretschner, Alexander, Diagnosis of Safety Incidents for Cyber-Physical Systems: A UAV Example, 2018 3rd International Conference on System Reliability and Safety (ICRS), IEEE, 2018

[231/231]: Zieglmeier, Valentin, Resilience Metrics, 2016