Список литературы

- [Allen et al., 2021] Allen, N.; Gauthier, F.; and Jordan, A. (2021). "IFDS Taint Analysis with Access Paths". CoRR, abs/2103.16240.
- [Amadini et al., 2018] Amadini, R.; Gange, G.; Gauthier, F.; Jordan, A.; Schachte, P.; Søndergaard, H.; Stuckey, P. J.; and Zhang, C. (2018). "Reference Abstract Domains and Applications to String Analysis". Fundam. Informaticae, 158(4), pp. 297–326.
- [Amadini et al., 2017] Amadini, R.; Jordan, A.; Gange, G.; Gauthier, F.; Schachte, P.; Søndergaard, H.; Stuckey, P. J.; and Zhang, C. (2017). "Combining String Abstract Domains for JavaScript Analysis: An Evaluation". In Legay, A. and Margaria, T., editors, Tools and Algorithms for the Construction and Analysis of Systems 23rd International Conference, TACAS 2017, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017, Uppsala, Sweden, April 22-29, 2017, Proceedings, Part I, volume 10205 of Lecture Notes in Computer Science, pages 41-57.
- [Brent et al., 2018] Brent, L.; Jurisevic, A.; Kong, M.; Liu, E.; Gauthier, F.; Gramoli, V.; Holz, R.; and Scholz, B. (2018). "Vandal: A Scalable Security Analysis Framework for Smart Contracts". *CoRR*, abs/1809.03981.
- [Dietrich et al., 2018] Dietrich, J.; Gauthier, F.; and Krishnan, P. (2018). "Driver Generation for Java EE Web Applications". In 25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018, pages 121–125. IEEE Computer Society.
- [Gauthier et al., 2014a] Gauthier, F.; Abdul-Nour, G.; and Lagacé, D. (2014a). "Special issue: IE in healthcare". Comput. Ind. Eng., 78, pp. 234.
- [Gauthier and Bae, 2022a] Gauthier, F. and Bae, S. (2022a). "Runtime Prevention of Deserialization Attacks". In 44th IEEE/ACM International Conference on Software Engineering: New Ideas and Emerging Results ICSE (NIER) 2022, Pittsburgh, PA, USA, May 22-24, 2022, pages 71-75. IEEE.
- [Gauthier and Bae, 2022b] Gauthier, F. and Bae, S. (2022b). "Runtime Prevention of Deserialization Attacks". *CoRR*, abs/2204.09388.
- [Gauthier et al., 2012] Gauthier, F.; Gélinas, D.; and Marcotte, P. (2012). "Vibration of portable orbital sanders and its impact on the development of work-related musculoskeletal disorders in the furniture industry". *Comput. Ind. Eng.*, 62(3), pp. 762–769.
- [Gauthier et al., 2021a] Gauthier, F.; Gogineni, V. C.; Werner, S.; Huang, Y.; and Kuh, A. (2021a). "Resource-Aware Asynchronous Online Federated Learning for Nonlinear Regression". *CoRR*, abs/2111.13931.
- [Gauthier et al., 2022a] Gauthier, F.; Gogineni, V. C.; Werner, S.; Huang, Y.; and Kuh, A. (2022a). "Resource-Aware Asynchronous Online Federated Learning for Nonlinear Regression". In *IEEE International Conference on Communications, ICC 2022, Seoul, Korea, May 16-20, 2022*, pages 2828–2833. IEEE.
- [Gauthier et al., 2020a] Gauthier, F.; Gratton, C.; Venkategowda, N. K. D.; and Werner, S. (2020a).
 "Privacy-Preserving Distributed Learning with Nonsmooth Objective Functions". In Matthews, M. B., editor, 54th Asilomar Conference on Signals, Systems, and Computers, ACSCC 2020, Pacific Grove, CA, USA, November 1-4, 2020, pages 42-46. IEEE.
- [Gauthier et al., 2018a] Gauthier, F.; Hassanshahi, B.; and Jordan, A. (2018a). "AFFOGATO: runtime detection of injection attacks for Node.js". In Dolby, J.; Halfond, W. G. J.; and Mishra, A., editors, Companion Proceedings for the ISSTA/ECOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018, pages 94–99. ACM.
- [Gauthier et al., 2021b] Gauthier, F.; Hassanshahi, B.; Selwyn-Smith, B.; Mai, T. N.; Schlüter, M.; and Williams, M. (2021b). "BackREST: A Model-Based Feedback-Driven Greybox Fuzzer for Web Applications". *CoRR*, abs/2108.08455.

- [Gauthier et al., 2022b] Gauthier, F.; Hassanshahi, B.; Selwyn-Smith, B.; Mai, T. N.; Schlüter, M.; and Williams, M. (2022b). "Experience: Model-Based, Feedback-Driven, Greybox Web Fuzzing with BackREST". In Ali, K. and Vitek, J., editors, 36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany, volume 222 of LIPIcs, pages 29:1–29:30. Schloss Dagstuhl Leibniz-Zentrum für Informatik.
- [Gauthier et al., 2020b] Gauthier, F.; Jordan, A.; Krishnan, P.; Hassanshahi, B.; Süß, J. G.; Bae, S.; and Lee, H. (2020b). "Trade-offs in managing risk and technical debt in industrial research labs: an experience report". In Izurieta, C.; Galster, M.; and Felderer, M., editors, *TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020*, pages 98–102. ACM.
- [Gauthier et al., 2018b] Gauthier, F.; Keynes, N.; Allen, N.; Corney, D.; and Krishnan, P. (2018b). "Scalable Static Analysis to Detect Security Vulnerabilities: Challenges and Solutions". In 2018 IEEE Cybersecurity Development, SecDev 2018, Cambridge, MA, USA, September 30 October 2, 2018, page 134. IEEE Computer Society.
- [Gauthier et al., 2013] Gauthier, F.; Lavoie, T.; and Merlo, E. (2013). "Uncovering access control weaknesses and flaws with security-discordant software clones". In Jr., C. N. P., editor, Annual Computer Security Applications Conference, ACSAC '13, New Orleans, LA, USA, December 9-13, 2013, pages 209–218. ACM.
- [Gauthier et al., 2011] Gauthier, F.; Letarte, D.; Lavoie, T.; and Merlo, E. (2011). "Extraction and comprehension of moodle's access control model: A case study". In *Ninth Annual Conference on Privacy, Security and Trust, PST 2011, 19-21 July, 2011, Montreal, Québec, Canada*, pages 44–51. IEEE.
- [Gauthier and Merlo, 2012a] Gauthier, F. and Merlo, E. (2012a). "Alias-Aware Propagation of Simple Pattern-Based Properties in PHP Applications". In 12th IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2012, Riva del Garda, Italy, September 23-24, 2012, pages 44-53. IEEE Computer Society.
- [Gauthier and Merlo, 2012b] Gauthier, F. and Merlo, E. (2012b). "Fast Detection of Access Control Vulnerabilities in PHP Applications". In 19th Working Conference on Reverse Engineering, WCRE 2012, Kingston, ON, Canada, October 15-18, 2012, pages 247–256. IEEE Computer Society.
- [Gauthier and Merlo, 2012c] Gauthier, F. and Merlo, E. (2012c). "Investigation of Access Control Models with Formal Concept Analysis: A Case Study". In Mens, T.; Cleve, A.; and Ferenc, R., editors, 16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012, pages 397–402. IEEE Computer Society.
- [Gauthier and Merlo, 2013] Gauthier, F. and Merlo, E. (2013). "Semantic smells and errors in access control models: a case study in PHP". In Notkin, D.; Cheng, B. H. C.; and Pohl, K., editors, 35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013, pages 1169–1172. IEEE Computer Society.
- [Gauthier et al., 2014b] Gauthier, F.; Merlo, E.; Stroulia, E.; and Turner, D. (2014b). "Supporting Maintenance and Evolution of Access Control Models in Web Applications". In 30th IEEE International Conference on Software Maintenance and Evolution, Victoria, BC, Canada, September 29 October 3, 2014, pages 506–510. IEEE Computer Society.
- [Han et al., 2015] Han, Z.; Mérineau, M.; Gauthier, F.; Merlo, E.; Li, X.; and Stroulia, E. (2015). "Evolutionary analysis of access control models: a formal concept analysis method". In Gould, J.; Litoiu, M.; and Lutfiyya, H., editors, Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015, pages 261–264. IBM / ACM.
- [Jordan et al., 2018] Jordan, A.; Gauthier, F.; Hassanshahi, B.; and Zhao, D. (2018). "SAFE-PDF: Robust Detection of JavaScript PDF Malware Using Abstract Interpretation". CoRR, abs/1810.12490.

- [Jordan et al., 2019] Jordan, A.; Gauthier, F.; Hassanshahi, B.; and Zhao, D. (2019). "Unacceptable Behavior: Robust PDF Malware Detection Using Abstract Interpretation". In Mardziel, P. and Vazou, N., editors, Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019, pages 19—30. ACM.
- [Letarte et al., 2011] Letarte, D.; Gauthier, F.; and Merlo, E. (2011). "Security Model Evolution of PHP Web Applications". In Fourth IEEE International Conference on Software Testing, Verification and Validation, ICST 2011, Berlin, Germany, March 21-25, 2011, pages 289–298. IEEE Computer Society.
- [Letarte et al., 2012] Letarte, D.; Gauthier, F.; Merlo, E.; Sutyanyong, N.; and Zuzarte, C. (2012). "Targeted genetic test SQL generation for the DB2 database". In Lo, E. and Waas, F., editors, Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012, page 5. ACM.
- [Nielsen et al., 2019] Nielsen, B. B.; Hassanshahi, B.; and Gauthier, F. (2019). "Nodest: feedback-driven static analysis of Node.js applications". In Dumas, M.; Pfahl, D.; Apel, S.; and Russo, A., editors, Proceedings of the ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, ESEC/SIGSOFT FSE 2019, Tallinn, Estonia, August 26-30, 2019, pages 455-465. ACM.
- [Steinhauser and Gauthier, 2016] Steinhauser, A. and Gauthier, F. (2016). "JSPChecker: Static Detection of Context-Sensitive Cross-Site Scripting Flaws in Legacy Web Applications". In Murray, T. C. and Stefan, D., editors, Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016, pages 57–68. ACM.
- [Vorobyov et al., 2022] Vorobyov, K.; Gauthier, F.; Bae, S.; Krishnan, P.; and O'Donoghue, R. (2022). "Synthesis of Java Deserialisation Filters from Examples". In Leong, H. V.; Sarvestani, S. S.; Teranishi, Y.; Cuzzocrea, A.; Kashiwazaki, H.; Towey, D.; Yang, J.; and Shahriar, H., editors, 46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 July 1, 2022, pages 736–745. IEEE.