

## Список литературы

- [Allen et al.(2021)Allen, Gauthier, & Jordan] Allen, N., Gauthier, F., & Jordan, A. (2021). IFDS taint analysis with access paths. CoRR, abs/2103.16240.
- [Amadini et al.(2018)Amadini, Gange, Gauthier, Jordan, Schachte, Søndergaard, Stuckey, & Zhang] Amadini, R., Gange, G., Gauthier, F., Jordan, A., Schachte, P., Søndergaard, H., Stuckey, P. J., & Zhang, C. (2018). Reference abstract domains and applications to string analysis. *Fundam. Informaticae*, 158, 297–326.
- [Amadini et al.(2017)Amadini, Jordan, Gange, Gauthier, Schachte, Søndergaard, Stuckey, & Zhang] Amadini, R., Jordan, A., Gange, G., Gauthier, F., Schachte, P., Søndergaard, H., Stuckey, P. J., & Zhang, C. (2017). Combining string abstract domains for javascript analysis: An evaluation. In *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*, A. Legay & T. Margaria, eds., vol. 10205 of *Lecture Notes in Computer Science*, pp. 41–57.
- [Brent et al.(2018)Brent, Jurisevic, Kong, Liu, Gauthier, Gramoli, Holz, & Scholz] Brent, L., Jurisevic, A., Kong, M., Liu, E., Gauthier, F., Gramoli, V., Holz, R., & Scholz, B. (2018). Vandal: A scalable security analysis framework for smart contracts. CoRR, abs/1809.03981.
- [Dietrich et al.(2018)Dietrich, Gauthier, & Krishnan] Dietrich, J., Gauthier, F., & Krishnan, P. (2018). Driver generation for java EE web applications. In *25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018*, pp. 121–125. (IEEE Computer Society).
- [Gauthier et al.(2014a)Gauthier, Abdul-Nour, & Lagacé] Gauthier, F., Abdul-Nour, G., & Lagacé, D. (2014a). Special issue: IE in healthcare. *Comput. Ind. Eng.*, 78, 234.
- [Gauthier & Bae(2022a)] Gauthier, F. & 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*, pp. 71–75. (IEEE).
- [Gauthier & Bae(2022b)] Gauthier, F. & Bae, S. (2022b). Runtime prevention of deserialization attacks. CoRR, abs/2204.09388.
- [Gauthier et al.(2012)Gauthier, Gélinas, & Marcotte] Gauthier, F., Gélinas, D., & 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, 762–769.
- [Gauthier et al.(2021a)Gauthier, Gogineni, Werner, Huang, & Kuh] Gauthier, F., Gogineni, V. C., Werner, S., Huang, Y., & Kuh, A. (2021a). Resource-aware asynchronous online federated learning for nonlinear regression. CoRR, abs/2111.13931.
- [Gauthier et al.(2022a)Gauthier, Gogineni, Werner, Huang, & Kuh] Gauthier, F., Gogineni, V. C., Werner, S., Huang, Y., & 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*, pp. 2828–2833. (IEEE).
- [Gauthier et al.(2020a)Gauthier, Gratton, Venkategowda, & Werner] Gauthier, F., Gratton, C., Venkategowda, N. K. D., & Werner, S. (2020a). Privacy-preserving distributed learning with nonsmooth objective functions. In *54th Asilomar Conference on Signals, Systems, and Computers, ACSSC 2020, Pacific Grove, CA, USA, November 1-4, 2020*, M. B. Matthews, ed., pp. 42–46. (IEEE).
- [Gauthier et al.(2018a)Gauthier, Hassanshahi, & Jordan] Gauthier, F., Hassanshahi, B., & Jordan, A. (2018a). AFFOGATO: runtime detection of injection attacks for node.js. In *Companion Proceedings for the ISSTA/ECOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018*, J. Dolby, W. G. J. Halfond, & A. Mishra, eds., pp. 94–99. (ACM).

- [Gauthier et al.(2021b)Gauthier, Hassanshahi, Selwyn-Smith, Mai, Schlüter, & Williams] Gauthier, F., Hassanshahi, B., Selwyn-Smith, B., Mai, T. N., Schlüter, M., & Williams, M. (2021b). Backrest: A model-based feedback-driven greybox fuzzer for web applications. CoRR, abs/2108.08455.
- [Gauthier et al.(2022b)Gauthier, Hassanshahi, Selwyn-Smith, Mai, Schlüter, & Williams] Gauthier, F., Hassanshahi, B., Selwyn-Smith, B., Mai, T. N., Schlüter, M., & Williams, M. (2022b). Experience: Model-based, feedback-driven, greybox web fuzzing with backrest. In 36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany, K. Ali & J. Vitek, eds., vol. 222 of *LIPICs*, pp. 29:1–29:30. (Schloss Dagstuhl - Leibniz-Zentrum für Informatik).
- [Gauthier et al.(2020b)Gauthier, Jordan, Krishnan, Hassanshahi, Süß, Bae, & Lee] Gauthier, F., Jordan, A., Krishnan, P., Hassanshahi, B., Süß, J. G., Bae, S., & Lee, H. (2020b). Trade-offs in managing risk and technical debt in industrial research labs: an experience report. In TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020, C. Izurieta, M. Galster, & M. Felderer, eds., pp. 98–102. (ACM).
- [Gauthier et al.(2018b)Gauthier, Keynes, Allen, Corney, & Krishnan] Gauthier, F., Keynes, N., Allen, N., Corney, D., & 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, p. 134. (IEEE Computer Society).
- [Gauthier et al.(2013)Gauthier, Lavoie, & Merlo] Gauthier, F., Lavoie, T., & Merlo, E. (2013). Uncovering access control weaknesses and flaws with security-discordant software clones. In Annual Computer Security Applications Conference, ACSAC '13, New Orleans, LA, USA, December 9-13, 2013, C. N. P. Jr., ed., pp. 209–218. (ACM).
- [Gauthier et al.(2011)Gauthier, Letarte, Lavoie, & Merlo] Gauthier, F., Letarte, D., Lavoie, T., & 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, pp. 44–51. (IEEE).
- [Gauthier & Merlo(2012a)] Gauthier, F. & 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, pp. 44–53. (IEEE Computer Society).
- [Gauthier & Merlo(2012b)] Gauthier, F. & 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, pp. 247–256. (IEEE Computer Society).
- [Gauthier & Merlo(2012c)] Gauthier, F. & Merlo, E. (2012c). Investigation of access control models with formal concept analysis: A case study. In 16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012, T. Mens, A. Cleve, & R. Ferenc, eds., pp. 397–402. (IEEE Computer Society).
- [Gauthier & Merlo(2013)] Gauthier, F. & Merlo, E. (2013). Semantic smells and errors in access control models: a case study in PHP. In 35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013, D. Notkin, B. H. C. Cheng, & K. Pohl, eds., pp. 1169–1172. (IEEE Computer Society).
- [Gauthier et al.(2014b)Gauthier, Merlo, Stroulia, & Turner] Gauthier, F., Merlo, E., Stroulia, E., & 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, pp. 506–510. (IEEE Computer Society).
- [Han et al.(2015)Han, Mélineau, Gauthier, Merlo, Li, & Stroulia] Han, Z., Mélineau, M., Gauthier, F., Merlo, E., Li, X., & Stroulia, E. (2015). Evolutionary analysis of access control models: a formal concept analysis method. In Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015, J. Gould, M. Litoiu, & H. Lutfiyya, eds., pp. 261–264. (IBM / ACM).

- [Jordan et al.(2018)Jordan, Gauthier, Hassanshahi, & Zhao] Jordan, A., Gauthier, F., Hassanshahi, B., & Zhao, D. (2018). SAFE-PDF: robust detection of javascript PDF malware using abstract interpretation. CoRR, abs/1810.12490.
- [Jordan et al.(2019)Jordan, Gauthier, Hassanshahi, & Zhao] Jordan, A., Gauthier, F., Hassanshahi, B., & Zhao, D. (2019). Unacceptable behavior: Robust PDF malware detection using abstract interpretation. In Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019, P. Mardziel & N. Vazou, eds., pp. 19–30. (ACM).
- [Letarte et al.(2011)Letarte, Gauthier, & Merlo] Letarte, D., Gauthier, F., & 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, pp. 289–298. (IEEE Computer Society).
- [Letarte et al.(2012)Letarte, Gauthier, Merlo, Sutanyong, & Zuzarte] Letarte, D., Gauthier, F., Merlo, E., Sutanyong, N., & Zuzarte, C. (2012). Targeted genetic test SQL generation for the DB2 database. In Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012, E. Lo & F. Waas, eds., p. 5. (ACM).
- [Nielsen et al.(2019)Nielsen, Hassanshahi, & Gauthier] Nielsen, B. B., Hassanshahi, B., & Gauthier, F. (2019). Nodest: feedback-driven static analysis of node.js applications. In 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, M. Dumas, D. Pfahl, S. Apel, & A. Russo, eds., pp. 455–465. (ACM).
- [Steinhauser & Gauthier(2016)] Steinhauser, A. & Gauthier, F. (2016). Jspchecker: Static detection of context-sensitive cross-site scripting flaws in legacy web applications. In Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016, T. C. Murray & D. Stefan, eds., pp. 57–68. (ACM).
- [Vorobyov et al.(2022)Vorobyov, Gauthier, Bae, Krishnan, & O’Donoghue] Vorobyov, K., Gauthier, F., Bae, S., Krishnan, P., & O’Donoghue, R. (2022). Synthesis of java deserialisation filters from examples. In 46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 - July 1, 2022, H. V. Leong, S. S. Sarvestani, Y. Teranishi, A. Cuzzocrea, H. Kashiwazaki, D. Towey, J. Yang, & H. Shahriar, eds., pp. 736–745. (IEEE).