## Список литературы

- [AGG<sup>+</sup>18] Roberto Amadini, Graeme Gange, François Gauthier, Alexander Jordan, Peter Schachte, Harald Søndergaard, Peter J. Stuckey, and Chenyi Zhang, *Reference abstract domains and applications to string analysis*, Fundam. Informaticae **158** (2018), no. 4, 297–326.
- [AGJ21] Nicholas Allen, François Gauthier, and Alexander Jordan, *IFDS taint analysis with access paths*, CoRR **abs/2103.16240** (2021).
- [AJG<sup>+</sup>17] Roberto Amadini, Alexander Jordan, Graeme Gange, François Gauthier, Peter Schachte, Harald Søndergaard, Peter J. Stuckey, and Chenyi Zhang, Combining string abstract domains for javascript analysis: An evaluation, 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 (Axel Legay and Tiziana Margaria, eds.), Lecture Notes in Computer Science, vol. 10205, 2017, pp. 41–57.
- [BJK<sup>+</sup>18] Lexi Brent, Anton Jurisevic, Michael Kong, Eric Liu, François Gauthier, Vincent Gramoli, Ralph Holz, and Bernhard Scholz, *Vandal: A scalable security analysis framework for smart contracts*, CoRR abs/1809.03981 (2018).
- [DGK18] Jens Dietrich, François Gauthier, and Padmanabhan Krishnan, *Driver generation for java EE web applications*, 25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018, IEEE Computer Society, 2018, pp. 121–125.
- [GAL14] François Gauthier, Georges Abdul-Nour, and Denis Lagacé, Special issue: IE in healthcare, Comput. Ind. Eng. **78** (2014), 234.
- [GB22a] François Gauthier and Sora Bae, Runtime prevention of descrialization attacks, 44th IEEE/ACM International Conference on Software Engineering: New Ideas and Emerging Results ICSE (NIER) 2022, Pittsburgh, PA, USA, May 22-24, 2022, IEEE, 2022, pp. 71-75.
- [GB22b] \_\_\_\_\_, Runtime prevention of descrialization attacks, CoRR abs/2204.09388 (2022).
- [GGM12] François Gauthier, Dominique Gélinas, and Pierre Marcotte, Vibration of portable orbital sanders and its impact on the development of work-related musculoskeletal disorders in the furniture industry, Comput. Ind. Eng. 62 (2012), no. 3, 762–769.
- [GGVW20] François Gauthier, Cristiano Gratton, Naveen K. D. Venkategowda, and Stefan Werner, Privacy-preserving distributed learning with nonsmooth objective functions, 54th Asilomar Conference on Signals, Systems, and Computers, ACSCC 2020, Pacific Grove, CA, USA, November 1-4, 2020 (Michael B. Matthews, ed.), IEEE, 2020, pp. 42–46.
- [GGW<sup>+</sup>21] François Gauthier, Vinay Chakravarthi Gogineni, Stefan Werner, Yih-Fang Huang, and Anthony Kuh, Resource-aware asynchronous online federated learning for nonlinear regression, CoRR abs/2111.13931 (2021).
- [GGW<sup>+</sup>22] \_\_\_\_\_\_, Resource-aware asynchronous online federated learning for nonlinear regression, IEEE International Conference on Communications, ICC 2022, Seoul, Korea, May 16-20, 2022, IEEE, 2022, pp. 2828–2833.
- [GHJ18] François Gauthier, Behnaz Hassanshahi, and Alexander Jordan, AFFOGATO: runtime detection of injection attacks for node.js, Companion Proceedings for the ISSTA/ECOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018 (Julian Dolby, William G. J. Halfond, and Ashish Mishra, eds.), ACM, 2018, pp. 94-99.
- [GHS<sup>+</sup>21] François Gauthier, Behnaz Hassanshahi, Benjamin Selwyn-Smith, Trong Nhan Mai, Max Schlüter, and Micah Williams, *Backrest: A model-based feedback-driven greybox fuzzer for web applications*, CoRR abs/2108.08455 (2021).

- [GHS<sup>+</sup>22] \_\_\_\_\_\_, Experience: Model-based, feedback-driven, greybox web fuzzing with backrest, 36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany (Karim Ali and Jan Vitek, eds.), LIPIcs, vol. 222, Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2022, pp. 29:1–29:30.
- [GJK<sup>+</sup>20] François Gauthier, Alexander Jordan, Padmanabhan Krishnan, Behnaz Hassanshahi, Jörn Guy Süß, Sora Bae, and Hyunjun Lee, *Trade-offs in managing risk and technical debt in industrial research labs: an experience report*, TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020 (Clemente Izurieta, Matthias Galster, and Michael Felderer, eds.), ACM, 2020, pp. 98–102.
- [GKA<sup>+</sup>18] François Gauthier, Nathan Keynes, Nicholas Allen, Diane Corney, and Padmanabhan Krishnan, Scalable static analysis to detect security vulnerabilities: Challenges and solutions, 2018 IEEE Cybersecurity Development, SecDev 2018, Cambridge, MA, USA, September 30 October 2, 2018, IEEE Computer Society, 2018, p. 134.
- [GLLM11] François Gauthier, Dominic Letarte, Thierry Lavoie, and Ettore Merlo, Extraction and comprehension of moodle's access control model: A case study, Ninth Annual Conference on Privacy, Security and Trust, PST 2011, 19-21 July, 2011, Montreal, Québec, Canada, IEEE, 2011, pp. 44–51.
- [GLM13] François Gauthier, Thierry Lavoie, and Ettore Merlo, Uncovering access control weaknesses and flaws with security-discordant software clones, Annual Computer Security Applications Conference, ACSAC '13, New Orleans, LA, USA, December 9-13, 2013 (Charles N. Payne Jr., ed.), ACM, 2013, pp. 209–218.
- [GM12a] François Gauthier and Ettore Merlo, Alias-aware propagation of simple pattern-based properties in PHP applications, 12th IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2012, Riva del Garda, Italy, September 23-24, 2012, IEEE Computer Society, 2012, pp. 44–53.
- [GM12b] \_\_\_\_\_, Fast detection of access control vulnerabilities in PHP applications, 19th Working Conference on Reverse Engineering, WCRE 2012, Kingston, ON, Canada, October 15-18, 2012, IEEE Computer Society, 2012, pp. 247–256.
- [GM12c] \_\_\_\_\_, Investigation of access control models with formal concept analysis: A case study, 16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012 (Tom Mens, Anthony Cleve, and Rudolf Ferenc, eds.), IEEE Computer Society, 2012, pp. 397–402.
- [GM13] \_\_\_\_\_\_, Semantic smells and errors in access control models: a case study in PHP, 35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013 (David Notkin, Betty H. C. Cheng, and Klaus Pohl, eds.), IEEE Computer Society, 2013, pp. 1169–1172.
- [GMST14] François Gauthier, Ettore Merlo, Eleni Stroulia, and David Turner, Supporting maintenance and evolution of access control models in web applications, 30th IEEE International Conference on Software Maintenance and Evolution, Victoria, BC, Canada, September 29 October 3, 2014, IEEE Computer Society, 2014, pp. 506–510.
- [HMG+15] Zhuobing Han, Mathieu Mérineau, François Gauthier, Ettore Merlo, Xiaohong Li, and Eleni Stroulia, Evolutionary analysis of access control models: a formal concept analysis method, Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015 (Jordan Gould, Marin Litoiu, and Hanan Lutfiyya, eds.), IBM / ACM, 2015, pp. 261–264.
- [JGHZ18] Alexander Jordan, François Gauthier, Behnaz Hassanshahi, and David Zhao, SAFE-PDF: robust detection of javascript PDF malware using abstract interpretation, CoRR abs/1810.12490 (2018).

- [JGHZ19] \_\_\_\_\_\_, Unacceptable behavior: Robust PDF malware detection using abstract interpretation, Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019 (Piotr Mardziel and Niki Vazou, eds.), ACM, 2019, pp. 19–30.
- [LGM11] Dominic Letarte, François Gauthier, and Ettore Merlo, Security model evolution of PHP web applications, Fourth IEEE International Conference on Software Testing, Verification and Validation, ICST 2011, Berlin, Germany, March 21-25, 2011, IEEE Computer Society, 2011, pp. 289–298.
- [LGM+12] Dominic Letarte, François Gauthier, Ettore Merlo, Nattavut Sutyanyong, and Calisto Zuzarte, Targeted genetic test SQL generation for the DB2 database, Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012 (Eric Lo and Florian Waas, eds.), ACM, 2012, p. 5.
- [NHG19] Benjamin Barslev Nielsen, Behnaz Hassanshahi, and François Gauthier, Nodest: feedback-driven static analysis of node.js applications, 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 (Marlon Dumas, Dietmar Pfahl, Sven Apel, and Alessandra Russo, eds.), ACM, 2019, pp. 455–465.
- [SG16] Antonín Steinhauser and François Gauthier, Jspchecker: Static detection of context-sensitive cross-site scripting flaws in legacy web applications, Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016 (Toby C. Murray and Deian Stefan, eds.), ACM, 2016, pp. 57–68.
- [VGB<sup>+</sup>22] Kostyantyn Vorobyov, François Gauthier, Sora Bae, Padmanabhan Krishnan, and Rebecca O'Donoghue, Synthesis of java deserialisation filters from examples, 46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 July 1, 2022 (Hong Va Leong, Sahra Sedigh Sarvestani, Yuuichi Teranishi, Alfredo Cuzzocrea, Hiroki Kashiwazaki, Dave Towey, Ji-Jiang Yang, and Hossain Shahriar, eds.), IEEE, 2022, pp. 736–745.