Список литературы

[1] Nicholas Allen, François Gauthier, and Alexander Jordan, *IFDS taint analysis with access paths*, CoRR **abs/2103.16240** (2021).

[2] 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.

[3] 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.

[4] 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).

[5] 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.

[6] François Gauthier, Georges Abdul-Nour, and Denis Lagacé, *Special issue: IE in healthcare*, Comput. Ind. Eng. **78** (2014), 234.

[7] François Gauthier and Sora Bae, *Runtime prevention of deserialization 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.

[8] ———, *Runtime prevention of deserialization attacks*, CoRR **abs/2204.09388** (2022).

[9] 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.

[10] 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).

[11] ———, *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.

[12] 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.

[13] 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.

[14] 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).

[15] _____, *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.

[16] 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.

[17] 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.

[18] 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.

[19] 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.

[20] 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.

[21] _____, *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.

[22] _____, *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.

[23] _____, *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.

[24] 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.

[25] 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.

[26] 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).

[27] _____, *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.

[28] 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.

[29] 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.

[30] 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.

[31] 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.

[32] 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.