

# Fabrice Kordon

## Listes de publications

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# Liste de publications

## Revue internationale & nationales

- [1] Dirk Beyer, Marieke Huisman, Fabrice Kordon, and Bernhard Steffen. Toolympics II : competitions on formal methods. *Int. J. Softw. Tools Technol. Transf.*, 23(6) :879–881, 2021.
- [2] Fabrice Kordon, Lom Messan Hillah, Francis Hulin-Hubard, Loïg Jezequel, and Emmanuel Paviot-Adet. Study of the efficiency of model checking techniques using results of the mcc from 2015 to 2019. *International Journal on Software Tools for Technology Transfer*, 23(6) :931–952, 2021.
- [3] J. Arias, B. Barbot, F. Hulin-Hubard, F. Kordon, and L. Petrucci. CosyVerif : an Online Verification Platform. *Petri Net Newsletter*, 87 :5–7, May 2020.
- [4] Fabrice Kordon, Hubert Garavel, Lom Messan Hillah, Emmanuel Paviot-Adet, Loïg Jezequel, Francis Hulin-Hubard, Elvio Amparore, Marco Beccuti, Bernard Berthomieu, Hugues Evrard, Peter G. Jensen, Didier Le Botlan, Torsten Liebke, Jeroen Meijer, Jiri Srba, Yann Thierry-Mieg, Jaco van de Pol, , and Karsten Wolf. MCC’2017 – The Seventh Model Checking Contest. *Transactions on Petri Nets and Other Models of Concurrency (ToPNoC)*, XIII :181–209, 2018.
- [5] Fabrice Kordon and Daniel Moldt. Introduction to the special issue from petri nets 2016. *Science of Computer Programming*, 157 :1–2, June 2018.
- [6] Bonnaire Xavier, Rudyar Cortés, Fabrice Kordon, and Olivier Marin. ASCENT : a Provably-Terminating Decentralized Logging Service. *The Computer Journal*, 60(12) :1889–1911, 2017.
- [7] Lom Messan Hillah, Ariele-Paolo Maesano, Fabio De Rosa, Fabrice Kordon, Pierre-Henri Willemin, Riccardo Fontanelli, Sergio Di Bona, Davide Guerri, and Libero Maesano. Automation and Intelligent Scheduling of Distributed System Functional Testing. *International Journal on Software Tools for Technology Transfer*, 19(3) :281–308, 2017.
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- [10] M. Thabet, M. Boufaïda, and F. Kordon. An Approach for Developing an Interoperability Mechanism Between Cloud Providers. *International Journal of Space-Based and Situated Computing*, 4(2) :88–99, 2014.
- [11] Y. Zhang, B. Bérard, L. M. Hillah, F. Kordon, and Y. Thierry-Mieg. Controllability for Discrete Event Systems Modeled in VeriJ. *International Journal of Critical Computer-Based Systems*, 5(3/4) :218–240, 2014.
- [12] A. Yessad, I. Mounier, T. Carron, F. Kordon, and J.-M. Labat. Formal Framework to improve the reliability of concurrent and collaborative learning games. *EAI Endorsed Trans. Serious Games*, 2 :e4, 2014.
- [13] Y. Ben Maïssa, F. Kordon, S. Mouline, and Y. Thierry-Mieg. Modeling and Analyzing Wireless Sensor Networks with VeriSensor : an Integrated Workflow. *Transactions on Petri Nets and Other Models of Concurrency (ToPNoC)*, VIII :24–47, 2013.

- [14] L.M. Hillah, F. Kordon, C. Lakos, and L. Petrucci. Extending PNML Scope : a Framework to Combine Petri Nets Types. *Transactions on Petri Nets and Other Models of Concurrency (ToPNoC)*, VI :46–70, 2012.
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## Chapitres de livres

- [43] Fabrice Kordon, Michael Leuschel, Jaco van de Pol, and Yann Thierry-Mieg. Software Architecture of Modern Model Checkers. In Bernhard Steffen and Gerhard J. Woeginger, editors, *Computing and Software Science - State of the Art and Perspectives*, volume 10000 of *Lecture Notes in Computer Science*, pages 393–419. Springer, 2019.
- [44] F. Kordon, J. Hugues, A. Canals, and A. Dohet. Elements for the design of embedded computer systems. In F. Kordon, J. Hugues, A. Canals, and A. Dohet, editors, *Embedded Systems, analysis and modeling with SysML, UML and AADL*, chapter 1, pages 3–27. Wiley, 2013.
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- [57] F. Bréant, J-M. Couvreur, F. Gilliers, I. Mounier, E. Paviot-Adet, D. Poitrenaud, D. Regep, and G. Sutre. Modeling and verifying behavioral aspects. In F. Kordon and M. Iemmoine, editors, *Formal methods for embedded distributed systems : how to master the complexity*, chapter 6, pages 171–211. Kluwer, 2004.
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## **Edition d'ouvrages, d'actes et de numéros spéciaux**

- [59] Maciej Koutny, Fabrice Kordon, and Lucia Pomello, editors. *Transactions on Petri Nets and Other Models of Concurrency XV*, volume 12530 of *Lecture Notes in Computer Science*. Springer, 2021.
- [60] Dirk Beyer, Marieke Huisman, Fabrice Kordon, and Bernhard Steffen, editors. *Tools and Algorithms for the Construction and Analysis of Systems - 25 Years of TACAS : TOOLympics, Held as Part of ETAPS 2019, Prague, Czech Republic, April 6-11, 2019, Proceedings, Part III*, volume 11429 of *Lecture Notes in Computer Science*. Springer, 2019.
- [61] F. Kordon and D. Moldt, editors. *Special Issue from the Petri Net 2016 Conference*, volume 157 of *Science of Computer Programming*. Elsevier, June 2018.
- [62] L. Zhang, L. Ren, and F. Kordon, editors. *Challenges and Opportunity with Big Data - 19th Monterey Workshop 2016, Beijing, China, October 8-11, 2016, Revised Selected Papers*, volume 10228 of *Lecture Notes in Computer Science*. Springer, 2017.
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- [86] Vincent Vallade, Ludovic Le Frioux, Souheib Baarir, Julien Sopena, Vijay Ganesh, and Fabrice Kordon. Community and lbd-based clause sharing policy for parallel SAT solving. In *Theory and Applications of Satisfiability Testing - SAT 2020 - 23rd International Conference, Alghero, Italy, July 3-10, 2020, Proceedings*, volume 12178 of *Lecture Notes in Computer Science*, pages 11–27. Springer, 2020.
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- [88] Hakan Metin, Souheib Baarir, and Fabrice Kordon. Composing symmetry propagation and effective symmetry breaking for SAT solving. In *NASA Formal Methods - 11th International Symposium, NFM 2019, Houston, TX, USA, May 7-9, 2019, Proceedings*, volume 11460 of *Lecture Notes in Computer Science*, pages 316–332. Springer, 2019.

- [89] Elvio Gilberto Amparore, Bernard Berthomieu, Gianfranco Ciardo, Silvano Dal-Zilio, Francesco Gallà, Lom-Messan Hillah, Francis Hulin-Hubard, Peter Gjøøl Jensen, Loïg Jezequel, Fabrice Kordon, Didier Le Botlan, Torsten Liebke, Jeroen Meijer, Andrew S. Miner, Emmanuel Paviot-Adet, Jiri Srba, Yann Thierry-Mieg, Tom van Dijk, and Karsten Wolf. Presentation of the 9th edition of the model checking contest. In *Tools and Algorithms for the Construction and Analysis of Systems - 25 Years of TACAS : TOOLympics, Held as Part of ETAPS 2019, Prague, Czech Republic, Proceedings, Part III*, volume 11429 of *Lecture Notes in Computer Science*, pages 50–68. Springer, 2019.
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- [91] L. Le Friou, S. Baair, J. Sopena, and F. Kordon. Modular and Efficient Divide-and-Conquer SAT solver on Top of the Painless Framework. In *Tools and Algorithms for the Construction and Analysis of Systems - 25 Years of TACAS : TOOLympics, Held as Part of ETAPS 2019, Prague, Czech Republic, Proceedings, Part I*, volume 11427 of *Lecture Notes in Computer Science*, pages 135–151. Springer, April 2019.
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