

## Lista Lucrărilor Științifice

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### Refereed Journal Articles

2017

1. Shengchao Qin, Guanhua He, Wei-Ngan Chin, **Florin Craciun**, Mengda He, and Zhong Ming. 2017. Automated specification inference in a combined domain via user-defined predicates, *Science of Computer Programming*, 2017, ISSN 0167-6423, Elsevier, <http://dx.doi.org/10.1016/j.scico.2017.05.007>.

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2. **Florin Craciun**, Simona Motogna, and Bazil Parv. 2013. Towards a Region-based Calculus for Energy-Aware Programming, *Studia Universitatis Babeș-Bolyai Series Informatica*, 93-101.

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3. Chenguang Luo, **Florin Craciun**, Shengchao Qin, Guanhua He, Wei-Ngan Chin. 2010. Verifying pointer safety for programs with unknown calls, *Journal of Symbolic Computation*, Volume 45, Issue 11, 2010, Pages 1163-1183, ISSN 0747-7171, <http://dx.doi.org/10.1016/j.jsc.2010.06.003>

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6. Andreea Costea, Wei-Ngan Chin, Shengchao Qin, and **Florin Craciun**. 2018. Automated Modular Verification for Race-Free Channels with Implicit and Explicit Synchronization. ArXiv, abs/2109.11802.

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10. **Florin Craciun** and Gabriel Glodean. 2018. Towards Compiling Region Types into RTSJ-compliant Java Code. In *Symbolic and Numeric Algorithms for Scientific Computing (SYNASC' 18)*. Timisoara, Romania. 20-23 September 2018, pp. 101-108. <https://doi.org/10.1109/SYNASC.2018.00028>
- 2015 11. **Florin Craciun**, Tibor Kiss, and Andreea Costea. 2015. Towards a Session Logic for Communication Protocols. In *Proceedings of the 2015 20th International Conference on Engineering of Complex Computer Systems (ICECCS) (ICECCS '15)*. IEEE Computer Society, Washington, DC, USA, 140-149. <http://dx.doi.org/10.1109/ICECCS.2015.33>
12. Tibor Kiss, **Florin Craciun**, and Bazil Parv. 2015. Verification of protocol specifications with Separation Logic. 2015. *2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP)*, Cluj-Napoca, 2015, pp. 109-116. doi: 10.1109/ICCP.2015.7312614
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- 2010 22. Shengchao Qin, Chenguang Luo, Guanhua He, **Florin Craciun**, and Wei-Ngan Chin. 2010. Verifying heap-manipulating programs with unknown procedure calls. In *Proceedings of the 12th International conference on Formal engineering methods and software engineering (ICFEM'10)*, Springer-Verlag, Berlin, Heidelberg, 171-187. [https://doi.org/10.1007/978-3-642-16901-4\\_13](https://doi.org/10.1007/978-3-642-16901-4_13)
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27. Alexandru Stefan, **Florin Craciun**, and Wei-Ngan Chin. 2008. A Flow-Sensitive Region Inference for CLI. In *Proceedings of the 6th Asian Symposium on Programming Languages and Systems (APLAS '08)*, Springer-Verlag, 19-35, [http://dx.doi.org/10.1007/978-3-540-89330-1\\_3](http://dx.doi.org/10.1007/978-3-540-89330-1_3)

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44. **Florin Craciun**, “An Expert System based on an Uncertainty Network”, *B. Sc. Thesis*, Computer Science Department, Technical University of Cluj-Napoca, 1996.