

## RNDr. Jan Kofroň, Ph.D.

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### CONTACT INFORMATION

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### EDUCATION

**Ph.D.** in Software Systems, Doctoral Thesis: “Behavior Protocols Extensions”, advisor: Prof. Ing. František Plášil, DrSc., Faculty of Mathematics and Physics, Charles University in Prague, 2007

**RNDr.** in Software Systems, Faculty of Mathematics and Physics, Charles University in Prague, 2005

**Mgr.** (MS equivalent) in Computer Science, Master Thesis “Poštovní brána s ochranou proti spamu”, advisor: RNDr. Jiří Peterka, Faculty of Mathematics and Physics, Charles University in Prague, 2003

### PROFESSIONAL EXPERIENCE

**Charles University, Czech Republic** **2005 – present**

- 2005 – 2007: Researcher, Department of Software Engineering, Faculty of Mathematics and Physics, Charles University
- 2008 – 2010: Assistant professor, Department of Software Engineering, Faculty of Mathematics and Physics, Charles University
- 2010 – current: Assistant professor, Department of Distributed and Dependable Systems, Faculty of Mathematics and Physics, Charles University
  
- supervising undergraduate research and bachelor and master theses
- supervising of doctoral students
- head of Formal methods group at Department of Distributed and Dependable Systems
- teaching
  - System Behavior Models and Verification
  - Program Analysis and Code Verification
  - Program Semantics
  - Programming in C/C++ (lab)
  - Programming in C# (lab)
  - Programming in Java (lab)

**FZI Forschungszentrum Informatik, Karlsruhe, Germany**

**2008 – 2009**

- research associate
- working on FP7 European research project (Q-ImPrESS)

**Institute of Computer Science, Academy of Sciences of the Czech Republic**

**2004 – 2010**

- research assistant

### RESEARCH INTERESTS

Code model checking, interpolation-based model checking, static analysis

## GRANTS

- **Verification and Bug Hunting for Advanced Software**, Czech Science Foundation, co-PI, project 17-12465S, 2017 – 2019
- **Runtime Verification beyond Monitoring (ARVI)**, COST Action IC1402, MC member, 2014 – 2018
- **Automatic Formal Analysis and Verification of Programs with Complex Unbounded Data and Control Structures**, Czech Science Foundation, co-PI, project 14-11384S, 2014 – 2016
- **Methods for explicit state model checking**, Grant Agency of Charles University 253297, supervisor of Pavel Jančík, 2012 – 2015
- **Autonomic service-component ensembles – ASCENS**, FP7 IP EU project 257414, researcher, 2010 – 2015
- **Quality Impact Prediction for Evolving Service-oriented Software – Q-ImPrESS**, FP7 STREP EU project 215013, researcher, 2008 – 2010

## PC/OC MEMBERSHIP

- 1<sup>st</sup> Workshop on Formal Approaches for Advanced Computing Systems – FAACS 2017, PC member, 2017
- International Workshop on Engineering IoT Systems: Architectures, Services, Applications, and Platforms – IoT-ASAP 2017, PC member, 2017
- 14<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2017, PC co-chair, 2017
- 11<sup>th</sup> Doctoral Workshop on Mathematical and Engineering Methods in Computer Science – MEMICS 2016, PC co-chair, 2016
- 13<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2016, PC co-chair, 2016
- Doctoral Workshop on Mathematical and Engineering Methods in Computer Science – MEMICS 2015, PC co-chair, 2015
- 20<sup>th</sup> International Doctoral Symposium on Components and Architecture – WCOP 2015, PC member, 2015
- 12<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2015, PC co-chair, 2015
- Doctoral Workshop on Mathematical and Engineering Methods in Computer Science – MEMICS14, PC co-chair, 2014
- 19<sup>th</sup> International Doctoral Symposium on Components and Architecture – WCOP 2014, PC member, 2014
- 11<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2014, PC co-chair, 2014
- 18<sup>th</sup> International Doctoral Symposium on Components and Architecture – WCOP 2013, PC member, 2013
- 10<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2013, PC co-chair, 2013
- Eighth International ACM Sigsoft Conference on the Quality of Software Architectures – QoSA 2012, PC member, 2012
- 9<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2012, PC co-chair, 2012
- Seventh International Conference on the Quality of Software Architectures – QoSA 2011, PC member, 2011

- 8<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2011, PC member, 2011
- Sixth International Conference on the Quality of Software Architectures – QoSA 2010, PC co-chair, 2010
- 7<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 2010, PC member, 2010
- 6<sup>th</sup> International Workshop on Formal Engineering approaches to Software Components and Architectures – FESCA 09, PC member, 2009