Peter Drábik

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Personal data

Born: Bratislava, Slovakia, 18/11/1983
Citizenship: Slovakia
Residency: Italy

Research Interests

Formal methods, model checking, distributed systems, systems biology, computer security

Education

Ph.D., Computer Science, December 2011
- Università di Pisa, Pisa, Italy
- Thesis: *Modular Verification of Biological Systems*
- Supervisors: Prof. Andrea Maggiolo-Schettini, Dr. Paolo Milazzo

Magister (M.Sc. equivalent), Computer Science, July 2007
- Comenius University, Bratislava, Slovakia
- Thesis Topic: *On Disjunction in Modal Logic*
- Supervisors: Dr. Damas Gruska, Dr. Gregory Wheeler

Research Positions

- January 2011 - present. Postdoctoral research fellow. Security Group, *Istituto di Informatica e Telematica, Consiglio Nazionale delle Ricerche, Pisa, Italy.*

Language skills

Slovak (mother tongue), English (advanced), Italian (advanced), German (upper intermediate), Polish (intermediate)

Publications

Drábik, P., A. Maggiolo-Schettini and P. Milazzo. On Conditions for Modular Verification in Systems of Synchronising Components. *Proceedings of CS&P 2011*, 2011.

Drábik, P., A. Maggiolo-Schettini and P. Milazzo. Application of a modular verification technique in Systems Biology (abstract). *Proceedings of BITS11*, 2011.

Drábik, P., A. Maggiolo-Schettini and P. Milazzo. Modular Verication of Interactive Systems with Application to Biology. *Scientic Annals of Computer Science, 21* (2011), pp. 39-72, 2011.

Drábik, P., A. Maggiolo-Schettini and P. Milazzo. Modular Verication of Interactive Systems with Application to Biology. *Electronic Notes in Theoretical Computer Science* (2010), pp. 61-75, 2010.

Drábik, P., A. Maggiolo-Schettini and P. Milazzo. Dynamic Sync-programs for Modular Verification of Biological Systems. *Proceedings of NCMA10*, pp. 71-83, 2010.

Drábik, P. and G. Scatena. An Application of Model Checking to Epidemiology (Extended Abstract). *Pre-proceedings of AMCA-POP 2010*, pp. 90-97, 2010.

Drábik, P. *On Disjunction in Modal Logic.* Master's thesis, Comenius University, Bratislava, Slovakia, 2007.

Talks

- 22/12/2011 – *Modular Verification of Biological Systems* – Pisa, Italy – Ph.D. defence.
- 28/9/2011 – *On Conditions for Modular Verification in Systems of Synchronising*

Components – Pułtusk, Poland – Concurrency, Specification and Programming (CS&P 2011).

- 25/8/2010 – *An Application of Model Checking to Epidemiology* – Jena, Germany – Applications of Membrane computing, Concurrency and Agent-based modelling in POPulation biology (AMCA-POP 2010). Part of CMC11.
- 24/8/2010 – *Dynamic Sync-programs for Modular Verification of Biological Systems* – Jena, Germany – Non-Classical Models of Automata and Applications (NCMA10). Part of CMC11.
- 10/6/2010 – *Modular Verification of Interactive Systems with Application to Biology* – Amsterdam, The Netherlands – First workshop on interactions between Computer Science and Biology (CS2Bio10). Part of DisCoTec10.

RESEARCH VISITS

- June - September 2010. *PPS Laboratory at Université Paris 7, France.* Supervision by Dr. Jean Krivine.
- February - May 2006. *Centre for Artificial Intelligence of Universidade Nova de Lisboa, Portugal.* Supervision by Dr. Gregory Wheeler.

WORK EXPERIENCE

- July - December 2007. *P&I – Personal und Informatik, Bratislava, Slovakia.* Member of the quality assurance team.