

Curriculum Vitæ

Personal information

Sergiu IVANOV

born on September 17, 1988 in Feodosia, Crimea (ex-URSS), Moldovan nationality, single

Personal address

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Current position

Associate professor (maître de conférences) at IBISC, team COSMO, Université Évry Val d'Essonne.

Doctoral thesis

Title: *On the Power and Universality of Biologically-inspired Models of Computation*
Supervisor: Serghei VERLAN, associate professor, Université Paris Est Créteil
School: Université Paris Est
Laboratory: Laboratory of Algorithmics, Complexity and Logic (LACL)
Defence date: June 23, 2015

Thesis committee

Referees:	Jérôme DURAND-LOSE	Université d'Orléans
	Gheorghe PĂUN	Romanian Academy
	Philippe SCHNOEBELEN	CNRS & ENS de Cachan
Examiners:	Enrico FORMENTI	Université de Nice – Sophia Antipolis
	Jean-Louis GIAVITTO	CNRS & IRCAM
	Elisabeth PELZ	Université Paris Est Créteil

Professional experience

Research experience

- 2017– • **Maître de conférences** at IBISC, Université d'Évry
- 2016–2017 • **Postdoc** at TIMC-IMAG, Faculty of Medicine of Grenoble
- 2015–2016 • **ATER** affiliated to LACL, Université Paris Est Créteil
- 2012–2015 • **PhD student** at LACL, Université Paris Est Créteil; supervised by Serghei VERLAN
- 2009–2012 • **Researcher** at the Institute of Mathematics and Computer Science of Moldova; supervised by Yurii ROGOZHIN

Research visits

- August 2016 • Collaboration with **Rudolf FREUND** at Technical University of Vienna, Austria
- January 2016 • Collaboration with **Ion PETRE** at Combio, Åbo Akademi, Turku, Finland
- November 2015 • Collaboration with **Rudolf FREUND** at Technical University of Vienna, Austria
- October 2014 • Collaboration with **Ion PETRE** at Combio, Åbo Akademi, Turku, Finland
- April–May 2014 • Collaboration with **Ion PETRE** at Combio, Åbo Akademi, Turku, Finland
- August 2011 • Collaboration with **Serghei VERLAN** at LACL, Université Paris Est Créteil

Teaching

- 2017– • **Maître de conférences** at Université d'Évry
- 2015–2016 • **ATER** at École Supérieure d'Informatique Appliquée à la Gestion, 260 hours
- 2012–2015 • **Monitor** during doctoral studies, 192 hours

Programming

- 2016–2017 • Framework for biomechanical modelling of microtubules (C++)
- April 2014 • Reaction system simulator (Haskell, PHP)
- 2013 • Tools for optimisation of the size of universal Petri nets with inhibitor arcs (Haskell, Gurobi, AMPL)
- June–August 2012 • Google Summer of Code: category theory module for SymPy (Python)
- January–May 2011 • Membrane system simulator (Java, C, Haskell, OpenCL, NVIDIA CUDA, Python)
- October 2010 • Complete network-based implementation of the actor model with automatic name resolution (Haskell)
- June–August 2009 • Google Summer of Code: VFS-style union mount for GNU/Hurd (C)
- June–August 2008 • Core of namespace-based translator selection for GNU/Hurd (C)
- April 2008 • GUI-based graph editor (Python)

Postgraduate studies

- 2012–2015 • **PhD student** at Université Paris Est (supervised by Serghei VERLAN)
- May 2013 • **Summer school** for Young Researchers in Programming (EJCP), French Institute for Research in Computer Science and Automation (INRIA), Rennes, 45h
- September 2012 • **Summer school** “Advanced Introduction to Biology”, Institute of Systems & Synthetic Biology, Évry Genopole, 40h
- 2011–2012 • **Master's student** at the University of the Academy of Sciences of Moldova, Faculty of Sciences
Validated courses: *Module theory* (Alexei CAȘU), *Quasigroup theory* (Vladimir IZBAȘ), *Gröbner bases* (Alexandru ȘUBĂ), *Theory of algorithms and computability* (Yurii ROGOZHIN), *Formal languages and theory of compilation* (Constantin CIUBOTARU), *Probability theory* (Andrei CORLAT), *Boolean functions* (Olga IZBAȘ)
Soros merit scholarship (2011)