List of Talks

Dr. Mădălina Eraşcu

Talks

[1] M. Erascu. Real Quantifier Elimination for the Synthesis of Optimal Numerical Algorithms (Case Study: Square Root Computation). Contributed talk at Computer algebra and polynomials, Special Semester on Applications of Algebra and Number Theory, Johann Radon Institute for Computational and Applied Mathematics (RICAM), Linz, Austria, November 2013.

[2] M. Erascu. Real Quantifier Elimination for the Synthesis of Optimal Numerical Algorithms (Case Study: Square Root Computation). Contributed talk at Symbolic Computation Seminar, North Carolina State University, USA, September 2013.

[3] M. Erascu. Synthesis of Optimal Numerical Algorithms by Real Quantifier Elimination (Case Study: Square Root Computation). Contributed talk at Groebner Bases, Resultants and Linear Algebra, RISC, Linz, Austria, September 2013.

[4] M. Erascu. Computational Logic and Quantifier Elimination Techniques for (Semi-) automatic Static Analysis and Synthesis of Algorithms. Invited colloquium talk at AG Formale Methoden und Theoretische Informatik, Institut fuer Informatik, Universitaet Koblenz-Landau, AG Formale Methoden und Theoretische Informatik, Institut fuer Informatik, Universitaet Koblenz-Landau, February 2013.

[5] M. Erascu. Computational Logic and Quantifier Elimination Techniques for (Semi-) automatic Static Analysis and Synthesis of Algorithms. Contributed talk at RISC/SCCH Mini-Workshop on Formal/Rigorous Methods, RISC, Linz, Austria, February 2013.

[6] M. Erascu. Computational Logic and Quantifier Elimination Techniques for (Semi-) automatic Static Analysis and Synthesis of Algorithms. Invited colloquium talk at FORSYTE Research Group, Technical University Vienna, Austria, November 2012.

[7] M. Erascu. Automated Certification of a Logic-Based Verification Method for Imperative Loops. Contributed talk at CiE 2012 - How the World Computes, June 2012.

[8] M. Erascu. Semi-automatic Algorithm Analysis and Synthesis (Case Study: Square Root). Invited colloquium talk at Computer Laboratory, University of Cambridge, UK, June 2012.

[9] M. Erascu. Symbolic Computation in Static Program Analysis. Applications to Numerical Algorithms. Contributed talk at Doctoral Program "Computational Mathematics" Statusseminar, Strobl, Austria, October 2011.

[10] M. Erascu. Overview of the Imperative Recursive Program Analysis Methods in Theorema Group. Contributed talk at Austrian-Hungarian Bilateral Project, Faculty of Informatics, Eotvos Lorand University, Budapest, Hungary, November 2010.

[11] M. Erascu. A Purely Logical Approach to Program Termination. Contributed talk at CIAO 2010: 19th Clam-Inka-OMRS Workshop, RISC, Castle of Hagenberg, Austria, August 2010.

[12] M. Erascu. A Calculus for Imperative Programs: Formalization and Implementation. Contributed talk at Austrian-Ucraininan Bilateral Project, Kiev National Taras Shevchenko University, October 2009.

[13] M. Erascu. A Purely Logical Approach for Imperative Program Verification. Contributed talk at Summer School on Verification Technology, Systems and Applications, INRIA Nancy and Max Planck Insitute for Informatics Saarbrücken, October 2009.

[14] M. Erascu. Forward Symbolic Execution for Program Verification in Theorema System. Contributed talk at Timing Analysis and Symbolic Computation Workshop, February 2009.

[15] M. Erascu. Forward Symbolic Execution for Program Verification in Theorema System. Contributed talk at INTAS Project Meeting, February 2009.

[16] M. Erascu. Verification of Imperative Programs using Forward Reasoning. Contributed talk at SFB Statusseminar, Strobl, Austria, April 2007.