

Curriculum Vitae

Name: Eleni
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Education

- 20/12/13: Doctorate in Mathematics (“Weighted Computability with discounting”) Department of Mathematics, Aristotle University of Thessaloniki, Greece, Supervisor: Associate Prof. George Rahonis.
- 05/12/08: MA in “Theoretical Computer Science and Theory of Control and Systems”, Department of Mathematics, Aristotle University of Thessaloniki, Greece.
- 28/3/06: Diploma in Mathematics, Department of Mathematics, Aristotle University of Thessaloniki, Greece.

Publications

- E. Mandrali, G. Rahonis, Weighted first-order logics over semirings, *Acta Cybernetica*, 22(2015) 435–483.
- E. Mandrali and G. Rahonis, On weighted first-order logics with discounting, *Acta Informatica*, 51(2014) 61--106.
- •E. Mandrali and G. Rahonis, Characterizations of weighted first-order logics over semirings, in: *Proceedings of CAI 2013, Lecture Notes in Computer Science*, 8080:247–259, 2013.
- •E. Mandrali, Weighted LTL with discounting, in: *Proceedings of CIAA 2012, Lecture Notes in Computer Science*, 7381:353–360, 2012.
- •E. Mandrali and G. Rahonis, Recognizable tree series with discounting, *Acta Cybernetica*, 19(2009) 411-439.

Thesis

- E. Mandrali, Weighted computability with discounting, Dissertation Thesis, Department of Mathematics, Aristotle University of Thessaloniki, 2013.
- E. Mandrali, Weighted tree automata with discounting, Master Thesis, Department of Mathematics, Aristotle University of Thessaloniki, 2008.

Research Interests

- Weighted automata, formal power series, quantitative logics, weighted computations with discounting, model checking.

Scholarships

- 1/1/14-31/12/14: Post-doctoral Scholarship “Aristeia” of the Aristotle University of Thessaloniki.
- 1/9/10-31/8/13: Phd Scholarship “Heracleitus II” of the Ministry of Education of Greece.

Talks

- “Characterizations of weighted first-order logics over semirings”. 5th International Conference on Algebraic Informatics (CAI 2013), Porquerolles, France, September 2013.
- “Weighted LTL with discounting”. 17th International Conference on Implementation and Application of Automata (CIAA 2012), Porto, Portugal, July 2012.
- “Weighted linear temporal logic with discounting”. Weighted Automata: Theory and Applications (WATA 2010), Leipzig, Germany, May 2010.
- “Weighted tree automata with discounting”. Weighted Automata: Theory and Applications (WATA 2008), Dresden, Germany, May 2008.
- “Automata and logic”. Seminar of Theoretical Computer Science and Discrete Mathematics, Department of Mathematics, Aristotle University of Thessaloniki, December 2006.

Membership in Conference Organizing Committees

- Workshop on Algebraic Foundations in Computer Science, Thessaloniki 2011. (Local Organizing Committee)
- 3rd International Conference of Algebraic Informatics (CAI 2009), Thessaloniki 2009.
- Workshop on Quantitative Logics (Satellite Event to ICALP 2009), Rhodes 2009.

Conference Referee

CAI 2009, LATA 2011, CAV 2013, CAI 2013, AFL 2014, CAI 2015.

Employment record

- 13/2/17-30/9/17: Scholar in the Project “Obtaining Academic Teaching Experience for Young Scientists holding Doctorate”, [Department of Mathematics, Aristotle University of Thessaloniki](#).
- 1/1/14-31/12/14: Post-doctoral researcher, Department of Mathematics, Aristotle University of Thessaloniki, Greece.
- 30/9/13-3/12/13: Research Intern, Microsoft Research, Cambridge.
- 1/10/10-31/1/11: Part time employment in assisting members of teaching and research staff, Department of Mathematics, Aristotle University, Thessaloniki, Greece.
- 2007-2011: Teacher of Mathematics in High School students.