

Or Meir - Curriculum Vitae

Personal information

Name: Or Meir.

Current Position: Postdoctoral fellow at the Institute for Advanced Study, Princeton.

Address: 21 Earle Lane, Princeton NJ 08540.

E-mail: ormeir@ias.edu

Phone number: +1 (609) 256-3024

Homepage: <http://www.math.ias.edu/~ormeir>

Year of birth: 1983.

Civil status: Single.

Citizenship: Israeli.

Research Interests

I am generally interested in Theory of Computer Science, and especially in probabilistically checkable proofs (PCP), coding theory, circuit lower bounds, randomness and de-randomization.

Experience

2012-2013 Postdoctoral fellow at the Institute for Advanced Study, Princeton.

2011-2012 Postdoctoral fellow at Stanford univesity, hosted by Prof. Luca Trevisan.

2002-2005 Military service. Worked as a software engineer.

Education

Ph.d. in Computer Science, Weizmann Institute of Science, Israel, 2007 to 2011.

Advisor: Prof. Oded Goldreich.

Thesis Title: “Combinatorial Constructions of Probabilistic Proof Systems”.

M.Sc. in Computer Science, Weizmann Institute of Science, Israel, 2005 to 2007.

Thesis Advisor: Prof. Oded Goldreich.

Thesis Title: “Combinatorial Construction of Locally Testable Codes”.

Summa cum laude (thesis grade: 100).

B.A. in Computer Science, Open University, Israel, 1998 to 2005, *Cum laude*.

Publications

- Eli Ben-Sasson, Yohay Kaplan, Swastik Kopparty, Or Meir, and Henning Stichtenoth, “Constant rate PCPs for circuit-SAT with sublinear query”, to appear in FOCS 2013.
- Or Meir, “IP = PSPACE using Error Correcting Codes”, SIAM Journal on Computing 42(1), pages 380-403, 2013.
- Oded Goldreich and Or Meir, “The Tensor Product of Two Good Codes Is Not Necessarily Robustly Testable”, Information Processing Letters 112(8-9), pages 351-355, 2012.
- Or Meir, “On the Rectangle Method in proofs of Robustness of Tensor Products”, Information Processing Letters 112(8-9), pages 257-260, 2012.
- Or Meir, “Combinatorial PCPs with Short Proofs”, IEEE Conference on Computational Complexity 2012, pp. 345-355.
- Oded Goldreich and Or Meir, “Input-Oblivious Proof Systems and a Uniform Complexity Perspective on P/poly”, ECCC TR11-023, 2011.
- Irit Dinur and Or Meir, “Derandomized Parallel Repetition via Structured PCPs”, Computational Complexity 20(2), pages 207-327, 2011 (invited paper). A preliminary version appeared in IEEE Conference on Computational Complexity 2010, pp. 16-27.
- Or Meir, “Efficient Combinatorial PCPs”, FOCS 2009, pp. 463-471, to appear in Computational Complexity.
- Or Meir, “On the Efficiency of Non-Uniform PCPP Verifiers”, ECCC TR08-064.
- Or Meir, “Combinatorial Construction of Locally Testable Codes”, SIAM Journal on Computing 39(2), pp. 491-544, 2009. A preliminary version appeared in STOC 2008, pp. 285-294.

Honors and Awards

2011-2012	The Rothschild Fellowship of Yad Hanadiv
2011	The Dimitris N. Chorafas Prize
2009-2011	The Adams Fellowship of the National Israeli Academy of Science.
2009	Otto Schwartz Excellence Award.
2000,2001,2005	President and Dean's lists, B.A. studies, the Open University of Israel.

Teaching Experience

2010-2011	Co-taught a course on Topics in Theoretical Computer Science with Gillat Kol
2009-2010	Co-taught a course on Complexity Theory with Prof. Oded Goldreich.
2009	Graded exercises in a course on Coding Theory.
2008	Graded exercises in a course on Complexity Theory.
2008	Supervised a reading group on Complexity Theory.

Academic Activity

- Participated in Workshop on Complexity Theory, November 2012, Oberwolfach, Germany.
- Participated in Seminar on Algebraic and Combinatorial Methods in Complexity Theory, October 2012, Dagstuhl, Germany.
- Participated in Seminar on Computational Complexity of Discrete Problems, March 2011, Dagstuhl, Germany.
- Participated in Workshop on Complexity Theory, November 2009, Oberwolfach, Germany.
- Participated in China Theory Week, September 2008, iTCS, Tsinghua University, Beijing.
- Participated in Workshop on Complexity Theory, June 2007, Oberwolfach, Germany.
- Organized the Students' Theory Seminar at the Weizmann Institute during the year 2009.
- Refereed for the journals Theory of Computing, SICOMP, and Computational Complexity, and for the conferences SODA and RANDOM.