Resume

Reuven Bar-Yehuda

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Date of Birth: July 17, 1951
Status: Married+2
www: http://www.cs.technion.ac.il/~reuven
1983 Ph.D., Computer Science Department, Technion IIT, Israel.

Technion Activities

1980-83 Member of Technion Junior Academic Staff Association Committee, Technion IIT, Israel.

Administrative Posts

2006-2008 Member of the Technion Senate Permanent Committee on Graduate and Undergraduate Studies

2006-2009 Member of the Technion Senate Sub Committee on Graduate and Undergraduate Studies Syllabi

2006-2009 General Technion Committee (elected by the the Senate)

2004-2010 Vice Dean for Undergraduate Studies.

2004-2010 Head of Undergraduate Instruction Committee.

2004-2010 Undergraduate Instruction Committee.

2000-03 Curricula Committee.

1996-2001 Colloquia coordinator.

1996-1998 Graduate Committee.

1989-1993 Curricula Committee.

1988-1993 Undergraduate Instruction Committee.

1986-1987 Undergraduate Instruction Committee.

1986-1987 Curricula Committee.

Honors

1980 Michael Landau Prize for Research in Computer Science.

1982 Department Outstanding Lecturer Chosen by the Technion Student Society.

1983 Technion Outstanding Lecturer Chosen by the Technion Student Society.

1988 Group Innovation Award for outstanding project - IBM Scientific Center.

1990 Muriel and David Jacknow Award for Excellence in Teaching.

1999 Technion Outstanding Lecturer Chosen by the Technion Student Society.

1999 Best student paper award for "Random algorithms for the loop cutset problem", by Ann Becker, Reuven Bar-Yehuda, and Dan Geiger, awarded by the Association for Uncertainty in Artificial Intelligence.

2003 Technion Outstanding Lecturer Chosen by the Technion Student Society.

2004 Technion Outstanding Lecturer Chosen by the Technion Student Society.

2006 Technion Outstanding Lecturer Chosen by the Technion Student Society.

2007 Technion Outstanding Lecturer Chosen by the Technion Student Society.

2008 Technion Outstanding Lecturer Chosen by the Technion Student Society.

Selected publication

1. Bar-Yehuda, R., One for the Price of Two: A Unified Approach for Approximating Covering Problems, *Algorithmica* 27(2), 2000:131–144, 2000.

2. Bar-Yehuda, R. and D. Rawitz. Efficient Algorithms for Integer Programs with Two Variables per Constraint, *Algorithmica* 29(4):595-609, 2001.

3. Bar-Noy A., R. Bar-Yehuda, A. Freund, S. Naor, and B. Schieber, A unified approach to approximating resource allocation and scheduling, *Journal of the ACM* 48(5):1069–1090, 2001.

4. Bar-Yehuda, R., D. Rawitz, On the Equivalence Between the Primal-Dual Schema and the Local-Ratio Technique, *SIAM Journal on Discrete Mathematics* 19(3):762-797, 2005.

Book Chapters

1. Reuven Bar-Yehuda, Keren Bendel, Ari Freund, and Dror Rawitz. The local ratio technique and its application to scheduling and resource allocation problems. In Graph Theory, Combinatorics, and Algorithms: Interdisciplinary Applications. Martin C. Golumbic, Irith Ben-Arroyo Hartman (Eds.), *Operations Research & Computer Science Series* 33, 2005.

2. Reuven Bar-Yehuda and Dror Rawitz. A tale of two methods. In Theoretical Computer Science: Essays in Memory of Shimon Even. Oded Goldreich, Arnold L. Rosenberg, and Alan L. Selman (Eds.), LNCS 3895:196-217, Springer-Verlag, 2006.