

Resume

Reuven Bar-Yehuda

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Date of Birth: July 17, 1951

Status: Married+2

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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.