

Short Resume

Reuven Bar-Yehuda

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Date of Birth: July 17, 1951

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Publications

Refereed papers in professional journals

Journals

1. Bar-Yehuda R. and Dror Rawitz. A note on multicovering with disks. *Computational Geometry: Theory and Applications* 46(3):394-399, 2013.
2. Amzallag D., R. Bar-Yehuda, D. Raz and G. Scalosub, Cell Selection in 4G Cellular Networks. Accepted to *IEEE Transactions on Mobile Computing* 2013.
3. Bar-Yehuda R., G. Polevoy and D. Rawitz, Bandwidth allocation in cellular networks with multiple interferences. *Discrete Applied Mathematics* 194:23–26, 2015.

Refereed Papers in Conference Proceedings

1. Bar-Yehuda R., E. Kantor, S. Kutten, D. Rawitz, Growing Half-Balls: Minimizing Storage and Communication Costs in CDNs. *ICALP (2)* 2012: 416-427
2. Reuven Bar-Yehuda, Michael Beder, and Dror Rawitz. A constant factor approximation algorithm for the storage allocation problem. *25th SPAA*, 204-213, 2013
3. Reuven Bar-Yehuda, Gilad Kutiel, and Dror Rawitz. 1.5-Approximation Algorithm for the 2-Convex Recoloring Problem. To appear in *26th IWOC*A, 2015.

Graduate Students

Completed Thesis

1. Gleb Polevoy
M.Sc.: 2012 Bandwidth Allocation in Cellular Networks with Multiple Interferences

2. Beder Michael
M.Sc.: 2013 Approximation Algorithms for Resource Scheduling and Allocation Problems

Thesis in Progress

1. Gilad Kuttiel
PhD: Since October 2014, Convex Recoloring of Trees

Research Grants

2013- Principal investigator in the Neptune consortium administered by the chief scientist of the Israeli Ministry of Industry and Trade. \$85,000/year.