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Education	Ph.D., Communication Systems Engineering. Ben-Gurion University of the Negev, Beer Sheva, Israel. Thesis: Algebraic Algorithms for Information Spreading. Ph.D. program completed and Ph.D. thesis submitted on Sep. 30, 2013.		
	M.Sc., Communication Systems Engineering. Ben-Gurion University of the Negev, Beer Sheva, Israel. Graduated Summa Cum Laude. Thesis: Gossip and Random Walk Techniques for Network Coding.		
	 B.Sc., Communication Systems Engineering. Ben-Gurion University of the Negev, Beer Sheva, Israel. Graduated Cum Laude. Project: Traffic Generator Implementation on the EZchip Network Processor. 	2001- 2005	
Professional Knowledge	 Algorithms simulation. Network processors. Wolfram Mathematica. C, Matlab. Sumo traffic simulator. Communication protocols. Real time programming. Linux embedded, Kernel drivers. Machine Learning (Stanford online course). 		
Experience	Ben-Gurion University of the Negev, <i>Postdoctoral Fellow, Lecturer</i> . – Computer Networks.	2013- present	
	 Ben-Gurion University of the Negev, <i>Teaching Assistant</i>, <i>Lab Instructor</i>. Computer Networks. Developed virtual computer networks lab based on Xen Virtualization. Information Theory. Signal Processing. 	2007- 2013	
	T-Labs Berlin, Telekom Innovation Laboratories, Intern (Summer Internship) – Developed routing algorithms for Software Defined Networks (SDN).	2012- 2012	
	 VocalTec, Software Engineer. Worked in the VoIP Gateway project. Developed in C, Linux embedded, Real time environment. Developed drivers on Intel IXP2350 Xscale processor. Developed microcode for network processor IXP2350, MEv2. 	2005- 2007	
	Elisra Electronic Systems, <i>RF Electronics Technician</i> .	2000- 2001	
Military Service	Bamtza 108, Israeli Air Forces, <i>Electronics Technician, Team Leader</i> .	1997- 2000	
Awards	 Kreitman Post-Doctoral Scholarship Excellence in teaching award – Ben-Gurion University. Graduated Summa Cum Laude, M.Sc. Ben-Gurion University. Cisco award for excellence in research and studies. Research Scholarship from the instructor, Dr. Chen Avin. Excellence Scholarship from the CSE department at BGU. Graduated Cum Laude, B.Sc. Ben-Gurion University. 	2014 2010 2009 2009 2009 2008 2005	

Conferences

M. Borokhovich, S. Schmid.

Publications

How (Not) to Shoot in Your Foot with Local Fast Failover.

International Conference on Principles of Distributed Systems (OPODIS), 2013.

C. Avin, M. Borokhovich, Z. Lotker, and D. Peleg.

Brief Announcement: Distributed MST in Core-Periphery Networks.

International Symposium on Distributed Computing (DISC), 2013.

C. Avin, M. Borokhovich, S. Schmid.

OBST: A Self-Adjusting Peer-to-Peer Overlay Based on Multiple BSTs

IEEE International Conference on Peer-to-Peer Computing (P2P), 2013.

C. Avin, M. Borokhovich, B. Haeupler, and Z. Lotker.

Self-Adjusting Grid Networks to Minimize Expected Path Length.

International Colloquium on Structural Information and Communication Complexity (SIROCCO), 2013.

C. Avin, M. Borokhovich, Y. Hadad, E. Kantor, Z. Lotker, M. Parter, and D. Peleg. Generalized Perron-Frobenius Theorem for Multiple Choice Matrices, and Applications.

ACM-SIAM Symposium on Discrete Algorithms (SODA), 2013.

C. Avin, M. Borokhovich, Y. Hadad, Z. Lotker

Optimal virtual traffic light placement.

ACM International Workshop on Foundations of Mobile Computing (FOMC), 2012.

Avin Chen, Borokhovich Michael, Asaf Cohen, Zvi Lotker.

Efficient Distributed Source Coding for Multiple Receivers Via Matrix Sparsification.

IEEE International Symposium on Information Theory (ISIT), 2011.

Avin Chen, Borokhovich Michael, Keren Censor-Hilel, Zvi Lotker.

Order Optimal Information Spreading Using Algebraic Gossip.

ACM Symposium on Principles of Distributed Computing (PODC), 2011.

Borokhovich Michael, Avin Chen, Zvi Lotker.

Tight Bounds for Algebraic Gossip on Graphs.

IEEE International Symposium on Information Theory (ISIT), 2010.

Avin Chen, Borokhovich Michael, Arik Goldfeld.

Mastering (Virtual) Networks. A Case Study of Virtualizing Internet Lab. International Conference on Computer Supported Education (CSEDU), 2009.

Journals Publications

M. Borokhovich, C. Avin, and Z. Lotker.

Bounds for algebraic gossip on graphs.

Random Structures and Algorithms Journal (RSA), 2013.

C. Avin, M. Borokhovich, K. Censor-Hillel, and Z. Lotker.

Order optimal information spreading using algebraic gossip.

The International Journal of Distributed Computing (DIST), 2013.

Presentations

Generalized Perron-Frobenius Theorem for Multiple Choice Matrices, and Applications.

CSE Colloquium, BGU.

Beer-Sheva, Israel. March 2014.

How (Not) to Shoot in Your Foot with Local Fast Failover.

International Conference on Principles of Distributed Systems (OPODIS). Nice, France. December 2013.

Brief Announcement: Distributed MST in Core-Periphery Networks.

International Symposium on Distributed Computing (DISC). Jerusalem, Israel. October 2013.

Self-Adjusting Grid Networks to Minimize Expected Path Length.

International Colloquium on Structural Information and Communication Complexity (SIROCCO).

Ischia, Italy. July 2013.

Order Optimal Information Spreading Using Algebraic Gossip.

ACM Symposium on Principles of Distributed Computing (PODC). San Jose, USA. June 2011.

Tight Bounds for Algebraic Gossip on Graphs.

IEEE International Symposium on Information Theory (ISIT). Austin, USA. June 2010.

Tight Bounds for Algebraic Gossip on Graphs.

10th Haifa Graph Workshop. Haifa, Israel, May 2010.

Tight Bounds for Algebraic Gossip on Graphs.

CSE Colloquium, BGU.

Beer-Sheva, Israel. May 2010.

Mastering (Virtual) Networks. A Case Study of Virtualizing Internet Lab.

International Conference on Computer Supported Education (CSEDU). Lisbon, Portugal. March 2009.

Papers Under **Review**

C. Avin, M. Borokhovich, A. Cohen, and Z. Lotker.

Efficient Joint Network-Source Coding for Multiple Terminals with Side

Information.

Submitted to: IEEE Transactions on Communications.

C. Avin, M. Borokhovich, B. Haeupler, and Z. Lotker.

Self-Adjusting Grid Networks to Minimize Expected Path Length.

Submitted to: Theoretical Computer Science.

C. Avin. M. Borokhovich, Z. Lotker, and D. Pelea.

Distributed Computing on Core-Periphery Networks: Axiom-based Design.

Submitted to: ICALP.