

Eshed Ram

- CONTACT INFORMATION:

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- EDUCATION AND TRAINING:

- **Ph.D., Electrical Engineering, Technion.**
 - * Anticipated graduation: August 2020.
 - * Dissertation title: “*LDPC Codes With Locality*”.
- **M.Sc., Electrical Engineering, Technion.**
 - * Graduation: February 2017.
 - * Thesis title: “*On Rényi Entropy Power Inequalities*”.
 - * Grade point average: 96.8. Thesis Grade: 93.
- **B.Sc., Electrical Engineering, Technion.**
 - * Graduated *Summa Cum Laude* at March 2015.
 - * Grade point average: 93.5.

- AWARDS AND HONORS:

- The Perl Award: 2019.
- The Irwin and Joan Jacobs Fellowship: 2018.
- The Daniel Fellowship for PhD students: 2017.
- The Vincent Meyer EMET Excellence Program : 2015.

- EDUCATIONAL WORK:

- Author of a teaching experiment in Error-Correcting Codes.
- Head assistant for “*Introduction to Coding Theory in Communications*”.
- Head assistant for “*Introduction to Software Systems*”.
- Undergraduate project instructor: twice best COMM-lab project award.
- Vision and image science laboratory instructor.

- PUBLICATIONS:

- **Journal Paper:**
E. Ram and I. Sason, “On Rényi entropy power inequalities,” *IEEE Trans. on Information Theory*, vol. 62, no. 12, December 2016.

- **Journal Paper:**
E. Ram and Y. Cassuto, “LDPC codes with local and global decoding,” submitted to *IEEE Trans. on Information Theory*.
- **Journal Paper:**
E. Ram and Y. Cassuto, “Spatially coupled LDPC codes with sub-block locality,” submitted to *IEEE Trans. on Information Theory*.
- **Conference Paper:**
E. Ram and I. Sason, “On Rényi entropy power inequalities,” *Proceedings of the 2016 IEEE International Symposium on Information Theory*, pp. 2289–2293, Barcelona, Spain, July 2016.
- **Conference Paper:**
E. Ram and Y. Cassuto, “LDPC codes with local and global decoding,” *Proceedings of the 2018 IEEE International Symposium on Information Theory*, pp. 1151–1155, Vail, CO, USA, June 2018.
- **Conference Paper:**
E. Ram and Y. Cassuto, “SC-LDPC codes with random access,” *The 2018 IEEE International Symposium on Turbo Coding*, Hong-Kong, December 2018.
- **Conference Paper:**
E. Ram and Y. Cassuto, “Random access LDPC codes,” *The 10th Annual Non-Volatile Memories Workshop*, San-Diego, California, March 2019.
- **Conference Paper:**
E. Ram and Y. Cassuto, “On Decoding Random-Access SC-LDPC Codes,” *Proceedings of the 2019 IEEE International Symposium on Information Theory*, Paris, France, July 2019.