

Contact Information Department of Pure Mathematics *Office:* +1-(519)8884567 ext. 36669
University of Waterloo *Phone:* +1-(226)9786213
200 University Avenue West *E-mail:* adoron@uwaterloo.ca
Waterloo Ontario, N2L 3G1 *Website:* adoronmath.wordpress.com
Canada

Education

B.Sc. Mathematics (2007–2010)
Ben Gurion University of the Negev, Be'er Sheva, Israel
Magna cum Laude.

M.Sc. Mathematics (2010–2013)
Ben Gurion University of the Negev, Be'er Sheva, Israel
Thesis Title: “*Cuntz-Pimsner algebras and Subproduct systems from Stochastic matrices*”
Advisors: Dr. Daniel W. Markiewicz, Dr. Orr M. Shalit

PHD student Pure Mathematics (2013–2017)
University of Waterloo, Waterloo Ontario, Canada
Thesis Title: “*Techniques in operator algebras: Classification, dilation and non-commutative boundaries*”
Advisor: Prof. Kenneth R. Davidson

Selected Awards and fellowships

- York University science fellowship (Declined), York University, Toronto, Ontario, Canada 2017 - 2019.
- Ontario Trillium 40K\$ per year, University of Waterloo, Waterloo, Ontario, Canada 2014 - 2017.
- David Johnston international experience award 2500\$ for summer research, Technion, Haifa, Israel 2015.
- Phillip Zabei prize for outstanding Masters thesis in Mathematics, Ben-Gurion University, Be'er Sheva, Israel 2015.
- Dean prize of excellence, Ben Gurion University, Be'er Sheva, Israel 2010.
- Departmental prize of excellence, Ben Gurion University, Be'er Sheva, Israel 2009.

Research papers

- Adam Dor-On and Daniel W. Markiewicz, Operator algebras and Sub-product systems arising from Stochastic matrices. *J. Funct. Anal.* **267**, (2014), no. 4, 1057–1120.
- Kenneth R. Davidson, Adam Dor-On, Orr M. Shalit and Baruch Solel, Dilations, inclusion of matrix convex sets and completely positive maps. Accepted to IMRN. arXiv.org preprint: 1601.07993
- Adam Dor-On, Isomorphisms of tensor algebras arising from weighted partial systems. Accepted to Transactions of the AMS. arXiv.org preprint: 1507.08400
- Adam Dor-On and Daniel W. Markiewicz, C^* -envelope of tensor algebras arising from Stochastic matrices. Accepted to Integral Equations and Operator Theory. arXiv.org preprint: 1605.03543.
- Adam Dor-On and Guy Salomon, Full Cuntz–Krieger dilations via non-commutative boundaies. arXiv.org preprint: 1702.04308.

Selected Talks

- March 2017 - *Functional analysis seminar*, Newcastle University, Newcastle upon Tyne, UK - Invited.
- January 2017 - *Computer Science and Quantum theory seminar*, Hebrew University, Jerusalem, Israel - Invited.
- October 2016 - *Fields Institute Operator Algebras Seminar*, Toronto, Ontario, Canada - Invited.
- July 2016 - *International Workshop in Operator Theory and Applications*, St. Louis, Missouri, USA.
- June 2016 - *Canadian Symposium on Operator Algebras and Their Applications*, Montreal, Quebec, Canada.
- May 2016 - *Great Plains Operator Theory Symposium*, University of Illinois at Urbana-Champaign, Illinois, USA.
- February 2016 - *Mathematics Department Colloquium*, University of Windsor, Ontario, Canada - Invited.
- December 2015 - *Operator and System Theory Seminar*, Ben Gurion University of the Negev, Be'er Sheva, Israel - Invited.
- July 2015 - *Israeli Operator algebras / Operator theory seminar*, Techion, Haifa, Israel.
- June 2015 - *Canadian Symposium on Operator Algebras and Their Applications*, University of Waterloo, Waterloo, Ontario, Canada.
- May 2015 - *Great Plains Operator Theory Symposium*, Purdue, West Lafayette, Indiana, USA.
- January 2015 - *Israeli Operator algebras / Operator theory seminar*, Ben Gurion University of the Negev, Be'er Sheva, Israel.

- December 2014 - *Canadian Mathematical Society Winter meeting*, Hamilton, Canada - Invited.
- June 2014 - *Canadian Symposium on Operator Algebras and Their Applications*, Fields Institute, Toronto, Canada.
- May 2014 - *Great Plains Operator Theory Symposium*, Kansas state University - Manhattan, Kansas, USA.
- February 2014 - *Pure Mathematics Analysis seminar*, University of Waterloo, Waterloo, Ontario, Canada.
- October 2013 - *Pure Mathematics Analysis seminar*, University of Waterloo, Waterloo, Ontario, Canada.
- August 2013 - *Israeli Operator algebras / Operator theory seminar*, Ben Gurion University of the Negev, Be'er Sheva, Israel.
- May 2013 - *Great Plains Operator Theory Symposium 2013*, University of California - Berkeley, Berkeley, California, USA.

Conferences, Workshops and Schools

- March 2013 - *Workshop and school on group C^* -algebras and Noncommutative Dynamics*, Ben Gurion University of the Negev, Sde Boker, Israel.
- June 2011 - *Advanced course in Dynamical Systems - Centre de Recerca Mathematica*, Campus de Bellaterra, Barcelona, Spain.
- Summer 2009 - *Problem solving workshop for excellent Mathematics B.Sc. students*, Hebrew University, Jerusalem, Israel.

Seminars and Teaching

- Learning seminars held:
 - Winter 2017 - Dynamics and C^* -algebras
 - August 2016 - Symbolic dynamics and Cuntz-Krieger algebras
 - Summer 2015 - Graph algebras
 - Summer 2014 - Several complex variables
- Instructor for the following courses:
 - Fall 2016 - Introduction to group theory for Mathematics students
 - Spring 2014 - Linear algebra 2 for honours Mathematics students
- T.A. for the following courses:
 - Fall 2017 - Linear algebra for Sciences students
 - Fall 2015 - Number Theory for teachers
 - Fall 2015 - Calculus 2 for Sciences students
 - Winter 2013 - Complex Analysis for Electrical Engineering students
 - Fall 2012 - Linear algebra for Electrical Engineering students
 - Winters 2011-2012 - Calculus 2 for Electrical Engineering students
 - Fall 2011 - Introduction to Logic and Set theory
 - Fall 2010 - Infinitesimal Calculus 3 for Mathematics students