

**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

## Employment

**Azrieli International Postdoc** (2017 – today)  
Technion institute of technology, Haifa, Israel  
Host: Baruch Solel

## Education

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

**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: Daniel W. Markiewicz and Orr M. Shalit

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

## Selected fellowships and awards

- Azrieli International Postdoctoral Fellowship for 2017, Technion, Haifa, Israel.
- York University Science Fellowship for 2017, York University, Toronto, Ontario, Canada. (Declined)
- Ontario Trillium scholarship, 40K\$ per year for four years, University of Waterloo, Waterloo, Ontario, Canada.
- David Johnston international experience award 2500\$ for summer research, Technion, Haifa, Israel, Summer 2015.
- Phillip Zabei prize for outstanding Masters thesis in Mathematics, Ben-Gurion University, Be’er Sheva, Israel.

- Dean's prize for excellent undergraduate student, Ben Gurion University, Be'er Sheva, Israel.
- Departmental prize for excellent undergraduate student, Ben Gurion University, Be'er Sheva, Israel.

## 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. *Int. Math. Res. Not. IMRN.* (2017), no. 13, 4069–4130.
- Adam Dor-On, Isomorphisms of tensor algebras arising from weighted partial systems. To appear in *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. *Integral Equations Operator Theory.* **88**, (2017), no. 2, 185–227.
- Adam Dor-On and Guy Salomon, Full Cuntz–Krieger dilations via non-commutative boundaies. arXiv.org preprint: 1702.04308.

## Invited talks

- August 2017 - *Satellite conference on Operator algebras (MCA2017)*, Fields institute, Toronto, Ontario, Canada.
- July 2017 - *Mathematical congress of the Americas - Session on Topological dynamics and operator algebras*, McGill, Montreal, Quebec, Canada.
- June 2017 - *Multivariable Operator Theory conference on the occasion of Baruch Solel's 65th birthday*, Technion, Haifa, Israel.
- March 2017 - *Functional analysis seminar*, Newcastle University, Newcastle upon Tyne, UK.
- January 2017 - *Computer Science and Quantum theory seminars*, Hebrew University, Jerusalem, Israel.
- October 2016 - *Fields Institute Operator Algebras Seminar*, Toronto, Ontario, Canada.
- February 2016 - *Mathematics Department Colloquium*, University of Windsor, Ontario, Canada.
- December 2015 - *Operator and System Theory Seminar*, Ben Gurion University of the Negev, Be'er Sheva, Israel.
- December 2014 - *Canadian Mathematical Society Winter meeting*, Hamilton, Canada.

## Contributed Talks

- 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.
- July 2015 - *Israeli Operator algebras / Operator theory seminar*, Techion, Haifa, Israel.
- June 2015 - *Canadian Symposium on Operator Algebras and Their Applications*, University of 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.
- 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 - *Analysis seminar*, University of Waterloo, Ontario, Canada.
- October 2013 - *Analysis seminar*, University of 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 at 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:
  - Summer 2017 - Groupoids and their  $C^*$ -algebras
  - 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:
  - Summer 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