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- Personal**
- Birth** March 21, 1977; Ithaca, NY, USA
Citizenship USA and Israel
Languages:
- English — Fluent: reading, writing and speaking
 - Hebrew — Fluent: reading, writing and speaking
- Education**
- University of California at Berkeley**
- 2000–2006 Ph.D. Program, applied mathematics. Advisor: prof. John Neu. Thesis title: *Cluster Growth in Aggregation Kinetics*. (May 2006)
- Hebrew University of Jerusalem**
- 1999–2000: Graduate work towards M.A. Advisor: prof. Raz Kupferman
 - 1996–1999: B.Sc., mathematics and physics (with honors)
- Positions**
- Summer 2006 Post-doc Researcher—Mathematics, UC Berkeley
 - 2006–Current, Applied Mathematics Instructor, MIT
- Research**
- Publications**
- with L. L. Bonilla, A. Carpio, and J. C. Neu, *Asymptotic and Numerical Studies of the Becker-Deuring Model for Transient Homogeneous Nucleation*; *Markov Processes and Related Fields* **12**:341–365, 2006. [arXiv:cond-mat/0603328](#)
 - with J. Neu, *The Tallest Column — A Dynamical System Approach Using a Symmetry Solution*; *Studies in Applied Math* **115**:319-337 (2005). [arXiv:0711.0730](#)
 - with J. Neu *The Optimal Shape of a Javelin*; *Studies in Applied Math* **115**:339-354 (2005). [arXiv:0711.0734](#)
- Preprints**
- with Richard Ehrenborg, *Asymptotics of the Euler number of bipartite graphs*; Submitted to JCTB. [arXiv:0704.1782](#)
 - with J. Neu, *The Distribution of Cluster Sizes during Nucleation*; [arxiv:cond-mat/0702372](#)
 - with B. Seibold *Solving One Dimensional Scalar Conservation Laws by Particle Management* [arXiv:0801.1495](#)
- Talks**
- *Aggregation kinetics—The three eras* Oxford Mathematical Institute, Differential Equations and Applications Seminar, May 2007
 - *Aggregation kinetics—The three eras* UC Berkeley Applied Mathematics Seminar, April 2007
 - *Global Predictions in Aggregation, from Pure Monomer to Coarsening* Minisymposium, ECMI 2006 — Madrid
 - *Aggregation Kinetics* Contributed Session, SIAM Snowbird Conference on Applications of Dynamical Systems, May 2005
 - *Aggregation Kinetics* Invited talk, LLNL, May 2005

- Grants**
- 2007: NSF Post-Doc, Applied Mathematics (3 years)
 - 2000–2001: VIGRE Fellowship at University of California at Berkeley
 - 1998–2000: Levi Eshkol Grant, Ministry of Science and Technology, Israel
- Awards**
- 2006: Outstanding Graduate Student Instructor award, UC Berkeley
 - 1998: Dean’s list, Hebrew University of Jerusalem
- Teaching**
- **As Lecturer:** MATLAB programming, Numerical Analysis.
 - **As Assistant:** Ordinary Differential Equations, Numerical Analysis I & II (grad), Calculus I & II (undergrad), Numerical Analysis (undergrad)
- References**
- Alexandre Chorin, University of California at Berkeley
 - Richard Ehrenburg, University of Kentucky
 - Craig Evans, University of California at Berkeley
 - Raz Kupferman, Hebrew University of Jerusalem, Israel
 - John Neu, University of California at Berkeley