# Yoav Etzioni - Curriculum Vitae

## Personal Details

Born: April 2, 1979, Israel
Marital status: Married +1
Citizenship: Israeli

## Contact Information

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## Education

**Ph.D., Physics** **2006 to 2011**
Department of Physics, Ben-Gurion University
- Area of Study: Condensed matter physics
- Thesis Title: Particle dephasing in dissipative environments
- Adviser: Prof. Baruch Horovitz

**M.Sc., Physics** **2004 to 2006**
Department of Physics, Ben-Gurion University
- Area of Study: Theoretical quantum physics
- Thesis Title: Conductance of ballistic rings
- Adviser: Prof. Doron Cohen

**B.Sc., Physics** **2001 to 2004**
- Physics Department, Technion.
- Final grade 83

**Highschool:** Einot Yarden **1993 to 1997**

## Work Experience

**Teaching assistant, Ben-Gurion University** **2005 to present**
- Physics3, Solid State Physics - teaching assistant (2007 to 2011) Given to second year undergraduate physics students.
- Physics 1, Physics 2, Physics 3 - teaching assistant (2005 to 2010) Given to first and second year undergraduate Engineering faculties' students.

**Military service: Communication corps** **1997-2000**

## Skills

Strong theoretical background in many body quantum field theory. Experience in creating various scientific models such as Monte-Carlo algorithms and simulations of stochastic processes. Extensive experience in constructing numerical simulations and of using Matlab, Mathematica, Fortran, C and using grid clusters. Experienced in teaching courses.

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## Publications

1. Y. Etzioni, B. Horovitz, P. Le Doussal, Rings and boxes in dissipative environments, Phys. Rev. Lett. 106, 166803 (2011)
2. P. Le Doussal, Y. Etzioni, B. Horovitz, Winding of planar Gaussian processes, *J. Stat. Mech.* (2009)
3. Y. Etzioni, S. Bandopadhyay and D. Cohen, *The mesoscopic conductance of ballistic rings*, Europhysics Letters 76, 739 (2006)
4. D. Cohen and Y. Etzioni, The Multimode Conductance Formula for a Closed Ring , J. Phys. A 38, 9699 (2005).

## Talks

- Rings and boxes with dissipative environments, Condensed-Matter seminar, BGU, December 2010.
- Particle Dynamics on a Ring Affected by Noisy Environments, Israel Physical society, BGU, December 2008.
- Particle in Ohmic Dissipative Environments, Correlated Electron day, Technion, April 2008.
- Conductance of multimode ballistic rings, BGU Guttingen, Germany July 2006.

## Visited schools and workshops

- Summer School on Cold Atoms and Optical Lattices, Oxford University, 2008.
- *Unique Molecular Effects in Electronic Materials and Devices*, Minerva School, Safed, Israel, 2007.

## Languages

Hebrew (native), English (fluent)

## References

Available upon request.