

Ran Salem

Education

- 1998–today Ben-Gurion University
- B.Sc in physics.
 - M.Sc. in experimental solid-state physics.
 - Currently- Phd. Studies in the Atom chip group.

Experience

- 2001-2004 Ben – Gurion university
- Teaching assistant –Physics 1 Mechanics for 1st year industrial engineering students.
 - Lab instructor – Advanced lab.
Nuclear Physics advanced labs, and Laser cooling (MOT) advanced Lab for 3rd year physics students.

Community involvement

1999-2003
Youth science education. Astronomy and mathematical skills development tutor for children from Bear Sheva and the Negev.

Presentations

- Poster presentation - 2004- Les Houches Pre doctorate summer school "Laser cooling and applications". Poster presented "Single Atom detection using whispering gallery modes of a microdisk resonator".

Publications

- A.V. Balatsky, Y. Manassen and R. Salem,
“ESR-STM of a single precessing spin: Detection of exchanged-based spin noise”,
Phis. Rev. B **66**, 195416 (2002)
- A.V. Balatsky, Y. Manassen and R. Salem,
“Exchange Based Noise Spectroscopy of a Single Precessing Spin with Scanning Tunneling Microscopy”
Phil. Mag. B **82**, 1291 (2002)

Interests

Swimming, surfing, diving and hiking.