

Tom Leviant

Residence: Haifa ✦ Year of Birth: 1983

I am a hardworking and highly efficient researcher with autodidactic abilities. I am highly experienced in hand-on experimental physics with excellent technical and problem solving skills.

Professional Experience:

- 2014-current **Research Scientist, Advanced Development group. KLA-Tencor.**
- R&D of optimal conditions for optical metrology in design and algorithms.
- 2012-2014 **TA, Head TA and lecturer in undergraduate courses, Physics Faculty.**
- July 2013 **Guest Scientist, Paul Scherrer Institute. Switzerland.**
- Working in Muon accelerator (MuSR) investigating the influence of magnetic substrate on spin dynamics of TbPc2 single molecular magnet using Low Energy Mouns.
- 2013 **Vice-Chair of Technion Graduate Student Association.**
- 2009-2012 **Projects and laboratory Instructor, Physics Faculty.**
- Assessing feasibility and reliability of student's experiments and guiding through the semester.

Education:

- 2009-2014 **Ph.D. Experimental Solid State Physics, Technion.**
- Investigating quantum tunneling of magnetization process in molecular magnets.
- 2005-2008 **BSc in physics, Cum Laude, GPA 87.4, Technion.**
- 1998-2001 Full matriculation, **Physics and Computer Science**, The Hebrew Reali School in Haifa.

Technical skills:

- ☒ Programs: Matlab, C , LabView, SolidWorks, Origin.
- ☒ Conducting a systematic data analysis and optimizing the measurement systems.
- ☒ Designing and assembly optical, magnetic and thermal measurements.
- ☒ Experimenting at extreme conditions low temperature and high vacuum.

First author publications

- Testing the radiation emanating from the molecular nanomagnet Fe₈ during magnetization reversals.
Tom Leviant, Shaul Hanany, Yuri Myasoedov, and Amit Keren . **Phys. Rev. B 90, 054420.**
- Quantum ignition of deflagration in the Fe₈ molecular magnet.
Tom Leviant, Amit Keren, Eli Zeldov, and Yuri Myasoedov. **Phys. Rev. B 90, 134405.**

Awards:

- 2013 KLA Tencor prize for excellence in the field of light and matter interaction.
- 2012 Zeff, Fine and Daniel excellence scholarship for PhD students.

Languages: Hebrew – mother tongue | English – High level | Russian – High level

Military Service: (2001-2004) Squad leader at the paratroopers brigade. SFC - reserves

*** References will be provided upon request*