

Gilad Hurvitz

Personal Information:

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Personal: Born 1964, Married+3

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Education:

1997 Ph.D. in Particle Physics, Tel-Aviv Univ. (in collaboration with E791/Fermilab)

1992 M.Sc. in Solid State Physics, Tel-Aviv Univ.

1989 B.Sc. in Physics and computer science, Tel-Aviv Univ.

Employment:

2003-Today **Soreq-NRC:** Experimental physics in the Plasma group. Our main research field is laser-matter interaction, x-ray source generation and diagnostics, x-ray spectroscopy. Another research field is study of fast phenomena by a femtosecond laser - such as filaments in air, pump-probe experiments, and particle acceleration. During 2003-2005 I was with the nondestructive test group, where we used laser induced ultrasound to detect mechanical faults in materials.

2011-2012 **UBC (Vancouver, Canada):** Sabbatical at Vallery Milner's group - "Ultrafast quantum coherent control of matter".

2000-2003 **ColorChip:** Co-founder and R&D manager of an optical company, with over 200 employees worldwide at 2018. ColorChip designs and manufactures sub-systems and components for the telecom market. Planar light circuits are produced by ion-exchange technique, and allows scalable, low cost, and low loss waveguides, having a perfect match to the Telecom optical fibers. SystemOnGlass™ supports 100's of Gb/s on a single fiber (www.color-chip.com).

1997-2000 **Rafael:** Physics research in the fields of lasers, fast photography, and fast physics phenomena.