

CURRICULUM VITAE

Dr. Igor Lapsker

Education

1989	Ph.D. in Physics and Mathematics (Solid State Physics).
1978 - 1981	Tomsk State University, Post Graduate student (Solid State Physics, Doctorate).
1976	Master's degree in Physics (Experimental Physics).
1971 - 1976	Tomsk State University, Physics Department, student.

EMPLOYMENT

1992 – present	Holon Institute of Technology, Israel. • Researcher, engineer, Manager of the Structural Research Laboratory. (Laboratory equipped with SEM/EDS, AFM/STM, Optical microscopes and machines for sample preparation.) • Take part in inside/outside research grants services and consultations. • Teaching: - Physics (lectures, seminars, laboratory), - Electron microscopy (lectures and laboratory) - Materials science (lectures and seminars) - Thin Films (laboratory)
1981 – 1991	Tomsk Civil Engineering Institute , Department of Physics. • Engineer, senior research fellow, senior lecturer. Technical Director of Electron Microscopy Laboratory (SEM/EDS, TEM/WDS).
1978 – 1980	Tomsk State University . Department of Experimental Physics. • Post Graduate student and Assistant.
1976 – 1978	Tomsk Civil Engineering Institute , Department of Physics. • Engineer.

EXPERIENCE IN THE FOLLOWING FIELDS

- Microscopy (interference, optical, SEM, TEM, EDS, WDS, AFM) including
- samples preparation and identification of phases.
- Exploitation and service vacuum units and electron microscopes.
- X-ray diffraction.
- Electrical measurements (four probe, at low/high temperature and in magnetic field).
- Hall effect.

The list of courses (classes) I can also to conduct

- Materials science and thin films technology
- Physical properties of materials
- Mechanical properties and strength of materials
- Surface properties and phenomena in materials science
- Physical methods of structural analysis of materials