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Curriculum Vitae of
Mordechai (Moti) Katz

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Personal details:

- Date of Birth: 4/3/1960
- Place of Birth: Tel-Aviv, Israel.
- Personal Status: Married, two children.

Education:

- 1988 – *B.Sc in Physics*
Tel-Aviv University, School of Physics and Astronomy.
- 1993 – *M.Sc in Physics. (cum laude)*
Tel-Aviv University, School of Physics and Astronomy,
Thesis title: Evanescent field infrared spectroscopy using chalcogenide glass fibers.
- 1999 – *Ph.D in Physical Electronics.*
Tel-Aviv University, Faculty of Engineering, Department of Physical Electronics,
Thesis title: Linear and nonlinear properties of segmented waveguides.

Positions Held:

- 2018 (June) – Present, Head, Solid-state Physics Department. Applied Physics Division, Soreq NRC
- 2017 (March) – 2018 (June), Head, Solid-state devices Group. Applied Physics Division, Soreq NRC.
- 2016 (March) – 2017 (March), Visiting Scientist (Sabbatical) Haim Suchowski group, School of Physics and Astronomy, Tel Aviv University, Israel.
- 2012 – 2016, Head, Solid-state devices Group. Applied Physics Division, Soreq NRC.
- 2003 – 2011: Solid-state devices Group, Electro-Optics Division, Soreq NRC.
 - Head, Vapor Transport Equilibration of LiTaO₃ crystals for frequency conversion project.

- Head, Antimonide based, bulk and Type-II Superlattice, IR photo-detectors project.
- 2002 – 2003: Visiting Scientist, Fejer group, Ginzton laboratory, Stanford University, Stanford, CA, 94305, USA
- 2000 – 2002: Head, periodically poled ferroelectric crystals team
- 1997- 2000: Staff scientist, periodically poled ferroelectric crystals team, Solid Stat Group, Electro-Optics Division, Soreq NRC.
- 1991 -1992: Solid State Physics Group, Soreq NRC.
- 1986 -1987: Tel-Aviv Applied Engineering College.
Physics and Mathematics Instructor
- 1984 -1987: Tel-Aviv University, Faculty of education.
Development of Computer Programs.

Awards:

- Member of Outstanding Soreq Team for year 1999.
- Member of Outstanding Soreq Team for year 2009

Current research and areas of interest:

- Electrical and optical characterization of III-V compounds for photonics devices.
- Short wave, Mid wave and Long wave IR detectors
- Nonlinear optical devices for frequency conversion.
- Electrical and optical characterization of GaN devices.