

Nizan Salomonski

PERSONAL DETAILS

Affiliation SOREQ Nuclear Research Center
Yavne 81800
ISRAEL

Telephone Office (+972) 8-9434480
Mobile (+972) 50-6292177

E-mail nizans@soreq.gov.il

Nationality Israeli

EDUCATION

The Ph.D., M.Sc., and B.Sc. were earned at the faculty of Mechanical Engineering at the Technion – Israel Institute of Technology, Haifa, Israel.

Ph.D. 1999 Thesis: **Investigation of disassembly processes in automatic systems**. Mentors: Dr. Zussman Eyal and Professor Ehud Lenz.

M.Sc. 1994 Thesis: **Robot with flexible and light arm based on Inflatable structure**. Mentors: Dr. Shoham Moshe, Professor Grossman Gershon, and Professor Koren Yoram (from University of Michigan, Ann Arbor, MI, USA).

B.Sc. 1991 Two final projects:
1) **Algorithm for obstacle collision avoidance of redundant degree of freedom robot equipped with proximity sensors**. Mentors: Mr. Faibish Surin (from RAFAEL ,Advanced Defense Systems Ltd).
2) **Investigation of artificial vision supplementation to flexible manufacturing system controlled by expert system**. Mentor: Dr. Alon Gideon.

Technician 1982 Instruments and Control Technician, earned at Technical School ("BOSMAT") of the Technion – Israel Institute of Technology, Haifa, Israel. Final project: **Programmable printing machine for labels**. Mentors: Mr. Frank Amos, Mr Tidhar Jacob, and Mr. Erlich Sharon.

APPOINTMENTS

- 2001 – Present** Head of the R&D integrated system group, Applied Physics Department, SOREQ Nuclear Research Center, Yavne, Israel.
- 1999 – 2001** Research Associate, R&D integrated system group, Applied Physics Department, SOREQ Nuclear Research Center, Yavne, Israel.
- 1994 – 1999** Research Associate, Center for Manufacturing Systems and Robotics (CMSR), Mechanical Engineering Department, Technion – Israel Institute for Technology, Haifa, Israel.
- 1991 – 1994** Teaching Assistant, Robotic Laboratory, Mechanical Engineering Department, Technion – Israel Institute for Technology, Haifa, Israel.
- 1990** Student exchange, Mathematical Department, Bundesanstalt Für Materualforschung Und – Prüfung (BAM), Berlin, Germany.
- 1982 – 1986** Teaching electronic technicians operation and maintenance of automatic pilot system of fighter planes, non-commissioned officer, technical school of the Israeli Air Force.

MENTORING OF STUDENTS

Ph.D. student: Sheinker Arie.

M.Sc. student: Shkalim Ariel.

Dipl.-Ing. students (Diplom-Ingenieur thesis of German students at the Technion): Gründ Christian, Guthammer Jörn, Winkler Robert.

B.Sc. Final Projects: Tuchner Yosef, Lahav Uri, Shor Erez, Arnold Ofer, Goldstein Shahr, Dvorjetski Meir, Levi Eran, Elkabetz Ron, Lukatz Yaniv, Muhammad Walid, Nagary Yuval, Ben-Sadon Yoram, Peer Shay, Lumbrozo Orna, Sarban Surin, Lax Ami, Berko Yaniv, Taragano Asaf.

Summer Project (South African student at the Technion): Rudolf Van Wyk

SCHOLARSHIPS

- 2000 – 2009** Ministry of Defense "Professor Aharon Katzir" scholarship program for promising Israeli scientists (monthly stipend).
- 1991 – 1999** Technion ,Mechanical Engineering Dean's scholarship for teaching assistants (monthly stipend).

AWARDS AND HONORS

- 2010** Excellent team award from SOREQ NRC general manager.
- 2009** Award for creative thinking from the Head of Directorate of Israeli Defense R&D.
- 2008** Electromagnetic Propulsion Division head prize for outstanding achievement.
- 2006** SOREQ NRC excellent project team prize.
- 2004** SOREQ NRC excellent employee prize.
- 2003** Electromagnetic Propulsion Division head prize for outstanding achievement.
- 1994** Second place prize, Israel Society of Manufacturing Engineering.
- 1994** Haifa mayor award, named after General Yakov Dori.
- 1993** Outstanding teaching assistant award, Technion.
- 1982** Special achievement award, "BOSMAT", Technion.