

CURRICULUM VITAE

Emma Elkind **אמה אלקינד**

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EDUCATION

M.Sc. 1975 Faculty of Electro–Mechanical Engineering, Polytechnical University,
St.Petersburg, Russia.

Thesis: "Sparks-level measure device for DC engine."

Professional Courses:

1995 - 1996 Software Engineering and Embedded Control Systems. (Course of IBM Company.)
1998 Advanced Programming of FPGA Devices (ALTERA). (Course of High - Tech College, Herzliya.)
1999 Pentium Microprocessor - Hardware and Embedded System. (Course of High -Tech College, Herzliya.)

RESEARCH INTERESTS

- Development of advanced digital circuits based on a FPGA programmable devices.
- Development of embedded microprocessor circuits - System on a Programmable Chip.

ACADEMIC APPOINTMENTS

1994 – present Lecturer, ORT Braude College, Department of Electrical and Electronic Engineering.

TEACHING EXPERIENCE

ORT Braude College of Engineering:

Undergraduate Courses:

1994 – 2003 Microcontrollers Embedded System - Hardware and Software Design: lectures and laboratories.

2001– present Microprocessors System – Microprocessors Architecture, Computer Organization and Software Design (Assembly): lectures and laboratories.

1998 – present FPGA Design with VHDL Programming: lectures and laboratories.

Development of Laboratories:

- Microcontroller Design Laboratory with modern equipment
- FPGA Design Laboratory with modern equipment (upgraded every year)

INDUSTRIAL EXPERIENCE

1975 - 1989 Micro-controller systems design engineer, High Voltage System R&D Institute, St.Petersburg, Russia.

2005-2006 Consultant of FPGA Design , Xorcom Ltd., Israel.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Association of Engineers in Israel

LIST OF PUBLICATIONS

1. **Patent No.575731** "Sparks-level measure device for DC engine" , Russia, 1977.