

HANAN E. LEVY

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DATE OF BIRTH: 02.01.1979

AREAS OF INTEREST: fluid dynamics, renewable energy

EDUCATION

2007 –2010 Weizmann institute of science

M.Sc. degree in chemistry at the department of environmental sciences and energy research

■ Subject: Heat and mass transfer from aerosol bound species, for application in the solar seeded reactor. Supervisors – Prof. Yinon Rudich, Prof. Jacob Karni

2002 - 2006 Technion Israel Institute of Technology, Haifa

B.Sc. Degree in aerospace engineering

■ Project experience:

■ Control project – design, construction and control of a small wind turbine in order to increase efficiency, under prof. Per Olof-Gutman.

■ Research project – Implementing Conway's non-linear momentum theory for design of propeller/wind turbine blades in matlab, under Prof. Aviv Rosen

■ Final project – design, construction and test flying an autonomous solar powered UAV. Including experiments with electric driven propellers in the subsonic wind tunnel.

■ Courses included: (partial, full list upon demand)

■ Physics of the atmosphere (Prof. Emeritus Tannhauser David)

■ CFD 1 (Dr. Yuval Levy) – writing a 2D Euler flow solver in C.

■ Fluid dynamics (incompressible, viscous, compressible)

■ Wind turbine energy production

2005 Weizmann institute of science, Rehovot

The Emma and Oscar Getz Summer Science Program for Israeli Students

■ Participating in research on the subject of thermal splitting of methane for the production of hydrogen and carbon black utilizing concentrated solar energy under Prof. Avraham Kogan

1993 - 1997 Ohel Shem high-school, Ramat Gan

WORK EXPERIENCE

2008 - 2009 *IQwind*
consultant

Bachra

■ Modeling the overall efficiency improvement possible with IQwinds semi-continuous gear system for large wind turbines

2008 - 2009 *Sovna*
consultant

Tel-Aviv

■ Assessing the potential of urban wind turbines in NYC and Israel high rise buildings

2007 *Pythagoras solar*
Research engineer

Ramat Hasharon

■ Developing non-tracking low concentration technology for silicon solar cells

2007 *Precede*
Wind turbine investment consultant

Ramat Hasharon

■ During my work in Pythagoras solar, I also consulted precede in regard to investment in wind

