

# HANAN E. LEVY

BEN YEHUDA 43 TEL AVIV ISRAEL

PHONE 972-54-6254616, 972-3-5291198 • E-MAIL [LEVY.HANAN@GMAIL.COM](mailto:LEVY.HANAN@GMAIL.COM)

DATE OF BIRTH: 02.01.1979

AREAS OF INTEREST: fluid dynamics, renewable energy

## EDUCATION

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2007 – present

*Pursuing M.Sc. degree in the department for environmental sciences and energy research, Weizmann institute of science*

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.
- 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

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2008 *IQwind* *Bachra*  
*consultant*

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

2008 *Sovna* *Tel-Aviv*  
*consultant*

- Assessing the potential of urban wind turbines in NYC

2007 *Pythagoras solar* *Ramat Hasharon*  
*Research engineer*

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

2007 *Precede* *Ramat Hasharon*  
*Wind turbine investment consultant*

- During my work in Pythagoras solar, I also consulted precede in regard to investment in wind turbine related start up companies

