

7 Antigonos St.
Tel-Aviv
0545-242-737
ronshnapp@gmail.com

Ron Shnapp Omer

Curriculum Vitae

Education

Tel-Aviv University, School of Mechanical Engineering

PhD Direct Track Student 2014

- GPA: 98/100
- Research: fluid dynamics, turbulence, two phase flows, mass transfer
- Advisor: Prof. Liberzon, A.

Bachelor of Science 2011

- GPA: 95/100
- Dean's honor list award (2011, 2012, 2013)
- Specializations: fluid dynamics & heat transfer, energy systems

Employment

Israeli Air Force 2006 - 2008
Communications operator and technician

North Sails Israel 2008 - 2013
Sail maker, web design and administration

Turbulence Structure Laboratory - Tel-Aviv University 2012 - 2014
Research assistant

School of Mechanical Engineering - Tel-Aviv University 2014 -
Teaching assistant

- Thermodynamics (2014/15 - 2017/18)
- Thermal design (2014/15)
- Production processes (2014/15)
- Energy systems laboratory (2015/16)

Alpha Program - Youth Science Research Program 2015 - 2017
Scientific Advisor

Student Scholarships & Awards

Tel Aviv University Faculty of Engineering's Commemoration Scholarship 2012
Grant in the memory of Ilan Sphinia

Tel Aviv University Faculty of Engineering's Commemoration Scholarship 2013
Grant in the memory of Arie Yehoda Farkash

Renewable Energy Center - Tel-Aviv university Travel grant for the ETC-15	2015
Tel Aviv University School of Mechanical Engineering Fellowship	2015-2017
Scholarship in the Commemoration of Prof. Isaac Goldhirsch Grant for excellence in research	2017

Scientific Publications

Shnapp, R. & Liberzon, A. 2015

A comparative study and a mechanistic picture of resuspension of large particles from rough and smooth surfaces in vortex-like fluid flow. Chemical Engineering Science 131:129-137.

Shnapp, R. & Liberzon, A. 2017

Lagrangian history effect on pair dispersion. arXiv:1707.04785. (under review for publication in physical review letters)

Presentations

The Israeli 450mm Metrology Consortium's 3rd Annual Conference - poster presentation

Particle contamination control and prevention using fluid mechanics and heat transfer

European Turbulence Conference 2015

On resuspension of spherical particles from rough and smooth surfaces by a wall normal vortex

The Israeli 450mm Metrology Consortium's 4th Annual Conference - poster presentation

Particle contamination control and prevention using fluid mechanics and heat transfer

The Israeli 450mm Metrology Consortium's 5th Annual Conference - poster presentation

Particle contamination control and prevention using fluid mechanics and heat transfer

Fluid Mechanics Symposium in Honor of Prof. Lev Shemer's 70th Birthday

Particle Resuspension in 3D