

Liel Ishay

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Education

- 2013-2017 Ph.D., Mechanical Engineering, Ben-Gurion University of the Negev.
Thesis subject: Mixing Effects in Fluid Flows with Buoyancy and Stratification.
Advisors: Prof. Gennady Ziskind and Dr. Alex Rashkovan.
- 2010-2013 M.Sc., Mechanical Engineering, Ben-Gurion University of the Negev
(Cum Laude, GPA: 94.7).
Thesis subject: Effects of Exterior Surface Geometry of Gas-Gas Heat Exchangers
on the Heat Transfer Coefficient in Cross-Flow.
Advisors: Prof. Gennady Ziskind and Dr. Josef Aharon.
- 1990-1995 B. Sc., Mechanical Engineering, Ben-Gurion University of the Negev
(Cum Laude, GPA: 87.3).
Graduation project: Design of a Thermo-Syphon for Cooling Communication
Devices.
Advisor: Prof. Gennady Ziskind

Employment

- 2017-present Nuclear Research Center-Negev.
- 2014-2017 Teaching assistant for the course "Heat Transfer", Department of Mechanical
Engineering, Ben-Gurion University of the Negev.
- 2011-2015 Teaching assistant for the course "Mechanical Engineering-Laboratory",
Department of Mechanical Engineering, Ben-Gurion University of the Negev.
- 2010-2011 Mechanical engineer, Rotem Amfert Negev LTD

Awards and Honors

- 2018 Katzir Scholarship for Excellence by the Israeli Government.
- 2015-2016 Pazy Scholarship for Excellence in Studies.
- 2010 Best Graduation Project Prize, Department of Mechanical Engineering, Ben-Gurion
University of the Negev

Academic Activities

- Grants

Deflagration-to-Detonation Transition due to a Pressurized Release of a Hydrogen Jet, submitted
to the Pazy foundation, 2021.

Educational Activities

Courses taught

1. "Principles in Chemical Engineering 2"- Department of Chemical Engineering, Ben-Gurion University of the Negev, 2017-2019.
2. "Advanced Topics in Transport Phenomena"- Department of Chemical Engineering, Ben-Gurion University of the Negev, 2020.
3. "Heat and mass Transfer"- Department of Biomedical Engineering, Ben-Gurion University of the Negev, 2019-2020.

Research students

2018 – present: Tal Einan, for M.Sc. in Mechanical Engineering, Ben-Gurion University of the Negev.

Thesis subject: Numerical study of flow and heat transfer over a wavy wall.