Evgeny Rabinovich,
NRCN

Personal Details

Date and place of birth:	September 25, 1978, Azerbaijan
Regular military service:	Major Sergeant, Engineering Force
Marital status:	Married + 2
Address at work:	Nuclear Research Center Negev, P.O.Box. 9001, Beer Sheva 84190, Israel Tel.: 972-8-6568323, Fax: 972-8-6567593
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Major Research Experience and Interests

- ✓ Experimental and theoretical thermo hydraulic
- ✓ Application of heat transfer and fluid flow
- ✓ Experimental and theoretical research of boiling phenomena
- ✓ Two phase flow
- ✓ Conveying and handling of particulate solids

Employment History

2016-present	**Head of the Thermo Hydraulic Department, Nuclear Research Center Negev (NRCN)**
2010-2016	Researcher in the Thermo Hydraulic Department, Nuclear Research Center Negev (NRCN)
2004-2016	Research assistant and teaching, Department of Mechanical Engineering, Ben Gurion University of the Negev (BGU)

Education

2006-2011	**Ph. D.** Ben-Gurion University of the Negev, Department of Mechanical Engineering Dissertation topic: "Investigating threshold velocities in particles-fluid systems" Advisor: Prof. H. Kalman
2004-2006	**M.Sc.** Cum-Laude, Ben-Gurion University of the Negev, Department of Mechanical Engineering Thesis topic: "Investigating critical velocities in horizontal pneumatic conveying" Advisor: Prof. H. Kalman

2000-2004 **B.Sc.** Cum-Laude, Ben-Gurion University of the Negev, Department of Mechanical Engineering
Final project issue: "Fluidized bed system control"

Academic Activities

a. Frontal Teaching

2016-2018 "Introduction to the Thermal Hydraulic", Graduate Engineers Course, Nuclear Research Center Negev

2015-2016 "Introduction to the Energy Engineering", Graduate level, Department of Energy Engineering, BGU

2011-2012 "Introduction to the Two Phase Flow", 3rd and 4th years of Undergraduate level, Department of Mechanical Engineering, BGU

2004-2010 "Mechanism Design", 3rd and 4th years of Undergraduate level, Department of Mechanical Engineering, BGU

2004-2010 "Introduction to Machining Technology and Machine Tools", 3rd and 4th years of Undergraduate level, Department of Mechanical Engineering, BGU

b. Laboratories Teaching

2004-2010 "Solid Mechanics", 3rd year of Undergraduate level, Department of Mechanical Engineering, BGU

2004-2010 "Mechanism Design", 3rd year of Undergraduate level, Department of Mechanical Engineering, BGU

2008 "Introduction to Mechanical Engineering", 1st year of Undergraduate level, Department of Mechanical Engineering, BGU

c. Ph.D Thesis Supervising

2020-present Almog Biton, "Study of flooding phenomenon in vertical tube and annular channels" (co. supervised with Prof. Erez GIlad)

d. M.Sc. Thesis Supervising

2018-2021 Zvi Amrar, "Parametrical study of heat transfer coefficient and friction factor in a corrugated channel" (co. supervised with Prof. Gennady Ziskind)

2016-2020 Almog Biton, "Study of the threshold velocity in a corrugated vertical channel counter-current flow" (co. supervised with Prof. Erez GIlad)

e. Senior Projects Supervising

2009-2010 2 Student, issue "The effect of moisture on the pickup velocity from layer of particles" (co. supervised with Prof. H. Kalman)

	1 Student, issue "Phase diagram and acceleration length in pneumatic conveying systems" (co. supervised with Prof. H. Kalman)
	1 Student, issue "Experimental and theoretical analysis of friction force on vertical plug flow" (co. supervised with Prof. H. Kalman)
2008-2009	2 Student, issue "The effect of moisture and storage time on the pickup velocity from layer of particles" (co. supervised with Prof. H. Kalman)
	1 Student, issue "Phase diagram and acceleration length in horizontal pneumatic conveying systems" (co. supervised with Prof. H. Kalman)
2007-2008	1 Student, issue "Investigation of the Geldart classification in fluidized bed systems" (co. supervised with Prof. H. Kalman)
	2 Student, issue "Phase diagram in vertical and horizontal pneumatic conveying systems" (co. supervised with Prof. H. Kalman)
2006-2007	2 Student, issue "Phase diagram in vertical and horizontal pneumatic conveying systems" (co. supervised with Prof. H. Kalman)
2005-2006	2 Student, issue "The effect of moisture on the pickup velocity of particles" (co. supervised with Prof. H. Kalman)
	1 Student, issue "Measuring of critical velocity in vertical and horizontal pneumatic conveying" (co. supervised with Prof. H. Kalman)

Professional Memberships

2008-present	International Freight Pipeline Society (IFPS)

Awards and Honors

2016	NRCN General Manager Award for distinguished work activities
2014	NRCN General Manager Award in the field of distinguished design and application
2013	Department of the Mechanical Design NRCN Chairman's Award
2010	Dean's Engineering Faculty Award for distinguished academic achievements in Ph.D. research
2006	Dean's Engineering Faculty Award for distinguished academic achievements in M.Sc. research
2003	Mechanical Engineering Department Chairman's Award for distinguished academic achievements in undergraduate studies

Scholarships

2019-2020	Pazy Grant for excellent Sabbatical
2011-2017	Katzir Scholarship for excellent scientists in governmental institutes by the Israeli government

Scientific Activities

a. Sabbatical

2019-2020 Department of Nuclear Engineering, University of California, Berkeley, hosted by Prof. Per F. Peterson

b. Seminars

2010 Nuclear Research Center Negev

2010 Ben-Gurion University of the Negev, Department of Mechanical Engineering

c. Conferences & Service

2015 Local committees and chaired for the 8th International Conference for Conveying and Handling of Particulate Solids, Tel-Aviv, Israel, 3-7 May 2015

2010 Session Chaired for the 6th World Congress on Particle Technology, Nuremberg, Germany, April 26-29 2010

d. Journal Review

Powder Technology, Environmental Engineering and Management Journal, AIChE Journal