

Moti Raizner

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Date of Birth: 8, 15, 1977

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EDUCATION

PhD. Student in Mechanical Engineering Technion, Faculty of Mechanical Engineering

2012 – present

Research Title: Investigation the physics of unsteady jet impingement and its heat transfer performance.

Advisor(s):

Prof. Rene Van Hout (advisor),
Prof. Gershon Grossman (co-advisor)

M.Sc. in Mechanical Engineering

Technion, Faculty of Mechanical Engineering

2007

Thesis: Investigation of the Flow in a Pulse Tube Cryocooler. Cooperation with MAFAT.

Advisor(s):

Prof. Gershon Grossman (advisor)

B.Sc., *cum laude*

Technion, Faculty of Mechanical Engineering

2003

TEACHING

Technion – Israel Institute of Technology, Faculty of Mechanical Engineering

Instructor	Experiment Method	Fall 2005; Winter 2006
Teaching Assistant	Dynamics	Spring 2003
Teaching Assistant	Introduction to Robotics	Spring 2003
Teaching Assistant	Thermodynamics	Fall 2004; Fall 2005

PROFESSIONAL WORK

Thermal Analyst
for Electronics System

RAFAEL - Advanced Defense Systems Ltd.

2007-present

FELLOWSHIPS AND AWARDS

- Dean's Scholarship, (2003-2006)
- Industry, Trade and Labor Minister of Israel fellowship (2003-2006)
- Dean Excellence Award (1999-2002)

LIST OF PUBLICATIONS:

- M. Raizner, V. Rinsky , R. van Hout , and G. Grossman, Flow field characteristics of a pulsating round jet impinging on a flat smooth surface, Int. J. of Heat and Mass Transfer, 2019, submitted.
- M. Raizner, V. Rinsky , R. van Hout , and G. Grossman, Heat transfer and flow field measurements of a pulsating round jet impinging on a flat heated surface, Int. J. of Heat and Fluid Flow, 2018, submitted.
- M. Raizner, V. Rinsky , R. van Hout , and G. Grossman , Heat transfer and flow field measurements of a pulsating round jet impinging on a flat heated surface, Conference of Turbulent Heat and Mass Transfer 9, 2018
- M. Raizner and G. Grossman, A Numerical Investigation of Heat and Mass Transfer Phenomena in a Tapered Channel with Reciprocating Flow, Thermal and Fluid Engineering Conference, TFEC2017, 2017, Las Vegas, NV, USA, TFEC-IWHT2017-17120
- M. Raizner, I. Garaway and G. Grossman, "A Numerical CFD Model for Reciprocating Laminar Flow in a Channel", Cryocoolers 14, 317-326, 2007.