

PERSONAL DETAILS

Name: Meital Geva
Date and place of birth: 01.12.1985, Israel
Department: Engineering department,
Soreq nuclear research center, Yavne
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MILITARY SERVICE

2004-2007 Sergeant, Air force, Israel Defense Forces.
Positions: F16 flight simulator instructor, in charge of air force flight crew qualification and instructors' qualification, substituting for the commanding officer. In charge of the concentration of jet propulsion knowledge.

EDUCATION

2007-2011 B.Sc. in Mechanical Engineering, Ben-Gurion University of the Negev (BGU), Israel. Graduation research project title: "Analytical and numerical solution of shock propagation in multiphase gas mixtures".
Graduated Summa Cum Laude G.P.A. 97.04. Ranked **1 out of 174** graduates.
2011-2018 Ph.D. Direct program for outstanding Bachelor's degree students in Mechanical Engineering, BGU, Israel. Research thesis title "Non-stationary shock-wave reflection phenomena". **G.P.A. 98. valedictorian**
2013 MSc degree **Graduated Summa Cum Laude** G.P.A. 98.92

PROFESSIONAL POSITION

2017-present Researcher in Analysis team, Engineering department, SNRC. Field of expertise: thermal-hydraulic systems (analysis of a two phase jet flow inside a particle accelerator and thermal-hydraulic flow field inside research reactor)

EDUCATIONAL ACTIVITIES AND OCCUPATIONAL EXPERIENCE

2009-2017 Research assistant at the Mechanical Engineering Department BGU Shock Tube Laboratory. Provided numerical and image processing support in various studies.
2011-2017 Conducting research in non-stationary shock-wave reflection phenomena. Work includes analytical, numerical investigations and image processing analysis.
2011-2016 Instructor at the Mechanical Engineering Instruction Lab at BGU to 3rd year undergraduate mechanical engineering students.
2011-2017 Teaching assistant in the course of fluid mechanics for 2nd year undergraduate students at BGU
2011-2017 Examining graduation final projects of undergraduate mechanical engineering students at BGU

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| 2015-2017 | Performing qualification exams of excellent high-school students, attending the pre-engineering program at mechanical engineering department BGU |
| 2016 | Teaching mathematics techniques for excellent high-school students in the pre-engineering program at mechanical engineering |

EDUCATIONAL PRIZES AND AWARDS

- 1 2004 Israeli Minister of Education Award for outstanding final high school grades
- 2 2007 The Israel President's Award for outstanding military service performance
- 3 2009 BGU Rector Award for outstanding academic achievement in the 1st academic year
- 4 2009 Head of the Mechanical Engineering Department Award for outstanding academic achievement in the 1st academic year
- 5 2010 Dean of Engineering Award for outstanding academic achievement in the 2nd academic year
- 6 2010 E. Zehavi Award for excellence in finite element design studies
- 7 2011 Dean of Engineering Award for outstanding academic achievement in the 3rd academic year
- 8 2011 Jacob's letter of commendation for outstanding achievements in Thermodynamic studies
- 9 2011 I.I. Glass Award for the outstanding academic achievement in Fluid Mechanics Studies
- 10 2011 Besor scholarship for the "direct PhD track" for outstanding undergraduate academic achievements
- 11 2012 Udi Ben-Amitai Award for excellence in aeronautics and space research
- 12 2012 Rector Award for outstanding academic achievement in the 4th academic year
- 13 2012 Head of the Mechanical Engineering Department Award for outstanding academic achievement in the 4th academic year
- 14 2013 The Israeli Ministry of Science, Technology and Space Award
- 15 2014 Dean of Engineering Award for outstanding academic achievement in the Msc degree
- 16 2015 Oral Presentation Competition Award, 30th International Symposium on Shock Waves, Tel-Aviv, Israel.
- 17 2016 Pazi award for exceptional students
- 18 2017 Baruch Zinger scholarship
- 19 2017 Oral Presentation Competition Award, 31th International Symposium on Shock Waves, Nagoya, Japan.
- 20 2017 Katzir ministry of defense scholarship

RESEARCH GRANT (as a Principle investigator)

- 1 Analysis of Thermal-hydraulic transients in Small Modular Reactors using RELAP5-Isreal ministry of energy (2018-)