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Gershon Kats

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Education

- 2014-2017 Ph.D., Faculty of Aerospace Engineering, Technion – Israel Institute of Technology
Thesis title: Investigation of flame ignition in fuel spray systems
- 2008-2012 M.Sc., Faculty of Aerospace Engineering, Technion – Israel Institute of Technology
Thesis title: Investigation of different aspects of spray flame behavior
- 2003-2007 B. Sc., Faculty of Aerospace Engineering, Technion – Israel Institute of Technology, *Cum Laude*. Focus : Aerodynamics and Propulsion

Employment

- 2018-present Researcher, Physics Department, Nuclear Research Center Negev
- 2016-2017 Lecturer, Mechanical Engineering Department, Sami Shamoon College, Ashdod
- 2007-2013 Jet-engine engineer Propulsion Branch (Israeli Air Force)

Awards and Honors

- 2018 Katzir Fellowship (awarded by MAFAT to outstanding young researchers)
- 2017 Excellence in Teaching Award (Sami Shamoon College)
- 2016 Timnat Prize (awarded to outstanding PhD student for excellence in the field of propulsion)
- 2016 First prize of Faculty of Aerospace Engineering Research Day Poster Competition (Technion)
- 2013 Outstanding Officer Prize in Propulsion Branch (Israeli Air Force)
- 2003-2007 Dean's Excellence Award (Technion)

Educational Activities

Courses taught

1. *Numerical methods*, Department of Mechanical Engineering, Sami Shamoon College, Ashdod
2. *Introduction to Matlab*, Department of Mechanical Engineering, Sami Shamoon College, Ashdod
3. Teaching assistant - *Advanced numerical methods, Computational Fluid Dynamics, Incompressible Aerodynamics, Viscous Flow*, Faculty of Aerospace Engineering, Technion – Israel Institute of Technology

Organization of conferences

Member of the organizing committee of the ILASS-Europe 2020, 30th Conference on Liquid Atomization and Spray Systems

Reviewer of Scientific Journals

Review of scientific publications in Combustion and Flame, Atomization and Sprays and Combustion Science and Technology journals (top rated journals in the field of combustion theory)