

Einat Strumza

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[My LinkedIn profile](#)

Ph.D. candidate (expected graduation in Sep. 2022); my research is focused on phase stability in high entropy alloys. I specialized in high-temperature thermal analysis and phase characterizations of complex alloys, ceramics, and polymers. I'm skilled in various analytical techniques (detailed below).

I'm an autodidact, and a quick learner, looking to be a part of a challenging multidisciplinary working environment with an open-minded and creative team.

Work Experience	Ph.D. Research Student 2018 – Present <i>The Materials Engineering Department, Ben-Gurion University of the Negev</i> <ul style="list-style-type: none">– Planning, developing and conducting scientific research. Experimental designing and setups.– Technical supervision of undergraduate students in their research projects, and provide support for MSc students.
	Teaching Assistant 2017 – Present <i>The Materials Engineering Department, Ben-Gurion University of the Negev</i> <ul style="list-style-type: none">– Teaching Materials Processing 1 (2017-2019) and Ceramics (2020-2021) courses.– Instructing BSc 2nd and 3rd-year students laboratories. (Thermal analysis, fatigue, and fracture mechanism)
Education	Ph.D. in Materials Engineering 2018 – Present <i>Ben-Gurion University of the Negev</i> <i>Experimental thermochemistry and kinetics of high entropy alloys</i> Supervisor: Prof. Shmuel Hayun Received the Dean of Engineering faculty excellence award for my Ph.D. achievements.
	M.Sc. in Materials Engineering, graduated cum laude 2016 – 2018 <i>Ben-Gurion University of the Negev</i> <i>Thermophysical properties of additively manufactured Ti6Al4V and AlSi10Mg alloys</i> Supervisor: Prof. Shmuel Hayun
	B.Sc. in Materials Engineering , Ben-Gurion University of the Negev 2012 – 2016
Military Service	Captain , Telecommunication operation, IDF 2009 – 2012
Technical Skills	Fields of Research: Advance thermal analysis, calorimetry, dilatometry, metallurgical phase evolution and stability, high-temperature heat treatments, solid-state physics, and thermodynamic calculations (ThermoCalc). Characterization Techniques: DSC (including Cp), DTA, TGA, Dilatometry, LFA, GDS, EDS, XRD, TEM, SEM, microhardness, fatigue, bending test, optical microscopy.
Languages	Hebrew: Native English: Full professional proficiency