

Curriculum Vitae

Dr. Golan Oz

Personal:

Place of Birth Tel-Aviv, Israel
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Education:

Years	Title	Institute (City)	Department
2006	Post Doc.	Ben-Gurion University of the Negev	Department of Materials Engineering
2004	Ph.D.	Ben-Gurion University of the Negev.	Department of Materials Engineering Thesis Description: "The Effect of Prior-Creep and Microstructural Changes on Fatigue Crack Growth and Hydrogen-Induced Cracking in Superalloys".
1998	M.B.A (*)	Ben-Gurion University of the Negev	School of Business Administration
1994	M.Sc. (*)	Ben-Gurion University of the Negev	Department of Materials Engineering
1990	B.Sc.	Ben-Gurion University of the Negev	Department of Materials Engineering

(*) Finished with *Magna cum Laude*.

Areas of Specialization and Interest:

- Metallurgy and Manufacturing Processes, Failure Analysis, Additive Manufacturing, Mechanical Properties of Materials, Physical Properties of Materials, Materials testing & characterization (including Non-Destructive-Testing, NDT), Biomimicry and Biomechanics, Archaeometallurgy, Materials Selection in Mechanical Design, Micro- and Nano-Structures and the relationship with the material properties

and performances (Microscopy), Heat-Treatments.

Professional Experience:

Years	Employer (Location)	Subject
2015- Present	AATID Consortium (Development of Advanced Technology for 3D Printing of Titanium Aero-Structures)	Head of the Scientific Technology Committee of the Consortium (יו"ר הוועדה הטכנולוגית-מדעית של מאגר מוג"ט להדפסת 3D של מבנים תעופתיים, שחברים בו אלביט, תע"א, תע"ש, חה"א, רת"א, אלגה, לימת, טורבוכרום, כנפית, מכניון, ואב"ג).
2009- Present	Association of the Engineers, Architects, and Graduates of Technological Science in Israel	Head of the Materials Engineering sector in the Israeli Society of Mechanical Engineering (initiator and founder).
2017- Present	Israel Ministry of Science, Technology and Space	Member in the evaluation committee and reviewer of proposals in materials research and engineering
2009- Present	Israel of Materials & Processes Society	Director and Secretary of the Israel of Materials & Processes Society
2013- Present	The Center of Materials Engineering and Processes	The Head of the Center and Senior Researcher (initiator and founder).
2013- Present	Micro-CT and Advanced Electron Microscopy Lab (Afeka)	The head and the founder of the Micro-CT (2018) and Electron Microscopy Lab. (2013)
1997-	Various Israel	Consulting and failure analysis researcher of materials

Present	Industries	components (Specialist and Senior Advisor)
2000-2001	Ben-Gurion University of the Negev	Chairman of the Council of Students Association (twice elected) Director and Chairman of the stock-sharing assembly of "Shaal" manpower company, of the economic executive body of the students association, and of "Campusova" company.
2003-present	Israeli Nature and Parks Authority	Researcher, included Professional Floral Surveys
2003-2012	Department of Plants Sciences, Tel-Aviv University	Researcher – Israeli gene bank for agricultural crops
2005-2009	Israeli Society for the Abolition of Vivisection	Member of the management directorate

Teaching:

Years	Institute	Subject
2006-present	Afeka Tel-Aviv Academic College of Engineering	Lecturer of the "Materials Selection in Mechanical Design", " <i>Principles of Materials Science and Engineering 1+2</i> ", and, "Metals and Alloys" courses for undergraduate students of Mechanical Engineering Degree, and.
2018-present	Tel-Aviv University, The Department of Materials Science and Engineering	Lecturer of the "Materials Selection" course.
2006-2015	Afeka Tel-Aviv Academic College of Engineering	Coordinator of the " <i>Engineering Materials Laboratory</i> ".
2011	Afeka Tel-Aviv Academic College of Engineering	Lecturer of the "Multidisciplinary Technological Basis" for graduate students of Systems Engineering Degree

2006-2014	Afeka Tel-Aviv Academic College of Engineering	Supervisor of many undergraduate students during their final project for their B.Sc.degree
2015-present	Tel-Aviv University	Supervisor of graduate student
2017-present	Tel-Aviv University (Materials & Engineering Science	Lecturer of the "Materials Selection" course for graduate students
2012	Ben-Gurion University	Supervisor of undergraduate students
1990-3/2006	Ben-Gurion University of the Negev, Department of Materials Engineering	(a) Adjunct Teacher (b) Lecturer and coordinator of the "Seminar" course for undergraduate students (4 th year) (c) Coordinator and instructor of teaching laboratories (d) Teaching Assistant of various courses. (e) Supervisor of undergraduate students during their final project for their B.Sc. degree.

Grants

- 2018- היום מפא"ת-תעש – טיפול תרמי חדשני.
- 2015- היום מאגד מגני"ט - פיתוח טכנולוגיות מתקדמות להדפסה תלת מימדית של מבני טיטניום תעופתיים. ראש הוועדה הטכנולוגית-מדעית של המאגד.
- 2018 – מימון מיקרו-CT, הרשות לחדשנות.
- 2016-2014 קרן משרד החקלאות, המדען הראשי, קבוצת מצוינות: היבטים מיקרוסקופיים והנדסיים של מנגנוני האבקה למניעת התפשטות צמחי האמברוסיה.
- מענקים במסגרת מופ"ת 2018-2019: אלביט, רשיונל.
- 2011- היום ייעוצים ממומנים וחקירות כשלים הנדסיים מכאניים-מטלורגיים, התקבל מימון מ-50 חברות מובילות בישראל. בין החברות: תעשייה אווירית, אלביט, חברת HP, נובל אנרג'י, מנועי בית שמש, חיל הים, מקורות, מכתשים אגן, ונוספים.
- 1994-1998 "Levi Eshkol" foundation fellowship of the Israeli Ministry of Science and Technology.