

Noa (Lulu) Bitton

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Education

- 7/2020-today Ph.D. student, Department of Materials Engineering, Tel-Aviv University, Israel.
Thesis subject:
Hydrogen effect on additive manufactured Ti-6Al-4V alloy
Supervisors: Prof. Noam Eliaz, Department of Materials Engineering, Tel-Aviv University, Israel.
Dr. Nissim Navi, Materials Department, Nuclear Research Centre Negev.
- 2006-2008 M.Sc., ***Summa Cum Laude***, Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.
Thesis subject:
Environmental behavior of advanced magnesium alloys
Supervisors: Prof. Eli Aghion, Ben-Gurion University of the Negev, Israel.
- 2002-2006 B.Sc., ***Cum Laude***, Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.
B.Sc. Projects:
Development of degradable metal implants
Supervisors: Prof. Eli Aghion, Ben-Gurion University of the Negev, Israel.
- 1996- 2000 Megadim High School, Major in chemistry and biology, Karmiel, Israel.

Employment/ Positions

- 2014- Present Researcher, Materials Department, NRCN, Israel
- 2013 - 2014 R&D Engineer, Polysack, Nir-Itzhak, Israel
- 2012 - 2013 Lecturer, Engineering and Technology Etgar College, Israel
- 2010 - 2011 Process Engineer, Micron, Israel
- 2007 - 2008 Teaching Assistant, undergraduate courses in metallurgy and students labs, Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.

Main fields of interest

- ✓ Corrosion in metals; Hydrogen interactions with Materials; mechanical properties of metals.
- ✓ Characterization methods: X-Ray Diffraction (XRD), metallography, optical microscopy, Scanning Electron Microscopy (SEM), Mechanical tests including Small Punch Test (SPT).

Awards and Recognitions

- 2019 IAEC Director - Excellence award for outstanding R&D for year 2018
- 2019 Katzir fellowship for scientific research excellence.
- 2007 Dean prize for Academical excellency, Ben-Gurion University of the Negev, Israel.
- 2004 Department of Materials prize for Academically excellence, Ben-Gurion University of the Negev, Israel.

Educational Activities

Courses Teaching Assistant

1. Physical metallurgy 1, Materials department, Ben-Gurion University of the Negev.
2. Physical metallurgy 2, Materials department, Ben-Gurion University of the Negev.
3. Introduction to Materials Engineering, Chemical department, Ben-Gurion University of the Negev.

Supervision of Students

Undergraduates Students (B.Sc. Projects)

- Galit Levi & Inbar Guinguis (2008), "*Nano / sub-micron Aluminum alloy characterization*", advisory joint Prof. E. Aghion, B.Sc in Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.
- Liron Jan (2009), "*Environmental behavior of advanced magnesium alloys*", advisory joint Prof. E. Aghion, B.Sc in Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.
- Raz Idan (2017), "*Synthesis of MgH₂ composite*", advisory joint Prof. Y. Gelbstein, B.Sc in Department of Materials Engineering, Ben-Gurion University of the Negev, Israel.