

**Roman Goltsberg**

**Personal:**

Date of birth: 26/11/1988  
Telephone: (+972) 529 - 434 - 695  
E-Mail: goltsberg.roman@gmail.com  
Marital Status: Married + 3

**Academic Degrees:**

2015: Ph.D, *direct doctoral track*  
Faculty of Mechanical Engineering  
Technion - Israel Institute of Technology, Haifa, Israel.  
Title: "Contact mechanics of thin film coatings"

2010: B.Sc, *cum laude*, "*Brakim*" *student excellence program*  
Faculty of Mechanical Engineering  
Technion - Israel Institute of Technology, Haifa, Israel.

**Academic Appointments:**

2016 – Present: Adjacent lecturer  
Faculty of Mechanical Engineering  
Technion - Israel Institute of Technology, Haifa, Israel.

**Professional and Research Experience:**

2011 – Present: **2020 – Present, Research associate.**  
RAFAEL, Advanced Defense Systems, Israel.

**2011– Present, R&D Engineer**  
R&D, RAFAEL, Advanced Defense Systems, Israel.

- *Computational fluid dynamic (CFD) for internal flow in hydrodynamic bearings.*
- *Static and dynamic mechanical response of composite materials.*
- *Initiation of new research projects.*
- *Design of experiment devices.*

2012 – 2015: External Graduate Student for Ph.D, *direct doctoral track*  
Faculty of Mechanical Engineering  
Technion - Israel Institute of Technology, Haifa, Israel.

2010 – 2011: Internal Graduate Student for M.Sc. "*Brakim*" *excellent students program*  
Faculty of Mechanical Engineering  
Technion - Israel Institute of Technology, Haifa, Israel.

**Military service:**

2013 – 2016: Research Engineer (Rank: Captain)  
Enlisted Service, Israel Defense Forces  
Positioned at RAFAEL – Advanced Defense Systems, Israel.

2011 – 2013: Research Engineer (Rank: Lieutenant)  
Mandatory Service, Israel Defense Forces  
Positioned at RAFAEL – Advanced Defense Systems, Israel.

**Current Research Interests:**

Contact mechanics  
Thin film coating  
Hydrodynamic bearings

**Honors and Awards:**

2016: Katzir Scholarship – Ministry of Defense.  
2014: KLA Tencor Research Excellence Award.

**Teaching Experience:**

2016 – Present: Lecturer, Technion - Israel Institute of Technology, Haifa, Israel.  
*036031 – Theoretical Tribology, graduate level.*

**Students and Trainees:**

1. Shai Rones (Co-Advisor)	M.Sc.	2017
2. Oleg Korchevnik (Co-Advisor)	M.Sc.	2017
3. Matan Gilad	M.E.	2019

In progress

1. Shnshan wei (Consultor)	(PhD)
2. Igal Choen (Consultor)	(PhD)

**Public professional activities**Reviewer

- Engineering Applications of Computational Fluid Mechanics - 2019
- International Journal of Solids and Structures - 2019
- Journal of Engineering Tribology – 2017
- Journal of Mechanical Engineering Science – 2018
- RSC Advances - 2017
- Tribology International – 2017
- Tribology transactions – 2019