CURRICULUM VITAE - OHAD ZOHAR (2020)

PERSONAL DETAILS

Name and surname:	Ohad Edward Zohar
Address:	Kfar Hess, Israel
Phone number:	mobile +972 50 4039532
Birth date:	09/November/1985
Email:	zr.ohad@gmail.com
Status:	married
Nationality:	Israel

EDUCATION

2013- Currently: Student for M.Sc. Tel Aviv University, Faculty of Engineering, School of Mechanical Engineering. *Research topic: Investigation and Design of MEMS-based Inertial Gyroscopes.*

2008 - 2012: B.Sc. Technion, Aerospace Engineering. *Bachelor of Science in Aerospace Engineering – Cum Laude*.

PROFESSIONAL EXPERIENCE

2018 - 2020: **Chief system officer**, MEMS Technology Center, Manor Advanced Technologies Division, Rafael.

2015 - 2018: **Inertial sensors team leader**, MEMS Technology Center, Manor Advanced Technologies Division, Rafael.

2012 - 2015: **Project manager & System engineer**, Inertial Micro Gyroscopes, MEMS Technology Center. Manor Advanced Technologies Division, Rafael.

2009 - 2012: **MEMS core architect**, Part-time (student), MEMS inertial sensors team, MEMS Technology Center. Manor Advanced Technologies Division, Rafael.

INTERNATIONAL CONFERENCES – PARTICIPATION (PRESENTER)

April 2018: Singapore *Invited Talk* — International Workshop, The future of smart navigation.

July 2014: Herzelia (Israel) *Plenary* — Israel Association for Automatic Control, Navigation Systems and Applications (IAAC by IEEE).

February 2014: California (USA) *Poster* — International Symposium on INERTIAL SENSORS and SYSTEMS (IEEE ISISS).

February 2014: Haifa (Israel) *Plenary* — Israel Annual Conference on Aerospace Sciences (IACAS).

January 2013: Taipei (Taiwan) *Poster* — IEEE International Conference on Micro Electro Mechanical Systems (IEEE MEMS).

October 2012: Tel Aviv (Israel) *Plenary* — Israel Conference on Mechanical Engineering (ICME).

ADDIONAL SKILLS

Software tools

Very good knowledge of: Matlab, Solidworks, Labview, Workbench.
Medium knowledge of: COMSOL Multi-physics, ANSYS, C, C++.

Languages

Hebrew – mother tongue
English – advanced level

SCIENTIFIC PUBLICATIONS

Selected papers presented at scientific meetings and published as proceedings:

1. Ohad Zohar and Ronen Maimon, "Developing a Coriolis Vibratory TFG Using Dual Capacitive and Optic Detection Techniques", The 32nd Israeli Conference on Mechanical Engineering (ICME), October 17-18, 2012, Tel-Aviv.

2. Maimon. R, Lahav. O, Gerson. Y, Zohar. O, Berko. H, Krylov. S, "Tactical grade micro gyroscope with dual capacitive/optical sensing", The 26th International Conference on Micro Electro Mechanical Systems (MEMS), Taipei Taiwan, 20-24 Jan. 2013, IEEE, 978-14673-5654-1, 13369659.

3. Zohar Ohad Edward, Maimon Ronen, Tepper-Faran Tamar, Krylov Slava, "Z-Axis Micro Gyroscope with Optical Sensing Technique", 54th Israel Annual Conference on Aerospace Sciences, February 19-20, 2014, Tel-Aviv & Haifa, Israel ,ThL2T2.1 .

4. Zohar. O. E, Maimon. R, Vashdi. O, Gerson. Y, Berko. H, Krylov. S, "Investigation of energy losses in different vibrational modes of tactical grade micro gyroscope", Proceeding of The 1th International Symposium on Inertial Sensors and Systems (ISISS), 25-26 Feb. 2014, Laguna Beach, CA, IEEE 14211109.

5. O. E. Zohar, R. Maimon, O. Vashdi, H. Berko, " System Design Considerations of High Performance MEMS Gyroscope", Israel Association for Automatic Control by CS & AES Chapters - Navigation Systems and Applications, 7 Jul. 2014, Daniel Hotel, Herzlia, Israel.

6. O. E. Zohar, N. Karakover, R. Maimon, S. Krylov, " Modeling based dedign and parametric study of a tactical grade MEMS gyroscope", The 43nd Israel Association for Computational Methods in Mechanics (ISCM), 19 Oct. 2017, Tel Aviv University, Tel Aviv, Israel.