NSF BIOGRAPHICAL SKETCH

NAME: Levin, Eugene

ORCID: 0000-0002-8127-3208

POSITION TITLE & INSTITUTION: Associate Professor, Michigan Technological University

(a) PROFESSIONAL PREPARATION

INSTITUTION	LOCATION	MAJOR / AREA OF STUDY	DEGREE (if applicable)	YEAR YYYY
Siberian State University of Geosystems and Technologies	Novosibirsk, Novosibirsk	Astrogeodesy	MS	1982
Land Organization University	Moscow, Moscow	Photogrammetry	PHD	1989

(b) APPOINTMENTS

2007 - present Associate Professor, Michigan Technological University, Civil and Environmental Engineering, Houghton, MI

2006 - 2007 Program Manager, AMERICAN GNC, Simi Valley, CA

2005 - 2006 Lead Photogrammetrist, DIGITAL MAP PRODUCTS, Costa Mesa, CA

2000 - 2005 Senior Scientist / Team Leader Geospatial Technology, PHYSICAL OPTICS CORPORATION, Torrance, CA

1996 - 2000 Chief Photogrammetry/GIS Analyst, NESS TECHNOLOGIES, Tel-Aviv, Israel

(c) PRODUCTS

Products Most Closely Related to the Proposed Project

1. Levin E, Shults R, Habibi R, An Z, Roland W. Geospatial Virtual Reality for Cyberlearning in the Field of Topographic Surveying: Moving Towards a Cost-Effective Mobile Solution. ISPRS International Journal of Geo-Information. 2020 July 10; 9(7):433-. Available from: https://www.mdpi.com/2220-9964/9/7/433 DOI: 10.3390/ijgi9070433
2. Nadolinets L, Levin E, Akhmedov D. Surveying Instruments and Technology. 1 ed. Boca Raton : Taylor & Francis, CRC Press, 2017.: CRC Press; 2017-7-6. -p. Available from: https://www.taylorfrancis.com/books/9781498762397 DOI: 10.4324/9781315153346
3. Al-Shammari A, Levin E, Shults R. OIL SPILLS DETECTION BY MEANS OF UAS AND LOW-COST AIRBORNE THERMAL SENSORS. ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences. 2018 November 15; IV-5:293-301. Available from: https://www.isprs-ann-photogramm-remote-sens-spatial-inf-sci.net/IV-5/293/2018/ DOI: 10.5194/isprs-annals-IV-5-293-2018
4. Levin E, Meadows G, Shults R, Karacelebi U, Kulunk H. BATHYMETRIC SURVEYING IN LAKE SUPERIOR: 3D MODELING AND SONAR EQUIPMENTS COMPARING. ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. 2019 April 17; XLII-2/W10:101-106. Available from: https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-2-W10/101/2019/ DOI: 10.5194/isprs-archives-XLII-2-W10-101-2019

5. RAPID VISUAL PRESENTATION TO SUPPORT GEOSPATIAL BIG DATA PROCESSING. ; c2020.

Other Significant Products, Whether or Not Related to the Proposed Project

(d) SYNERGISTIC ACTIVITIES

1. FULBRIGHT FOUNDATION: “Research of UAV in monitoring of engineering objects”, teaching and research award as U.S. Scholar for Belarusian National Technical University (BNTU). 09.05.2016- 01.05.2017, ~ $25,400, Awardee

2. NASA: Fuel Consumption and Carbon Cycling in Northern Peatland Ecosystems: Understanding Vulnerability to Burning, Fuel, Consumption, and Emissions via Remote Sensing of Fuel Moisture and Radiative Energy”, 06.01.2012- 06.01.2014 ~$647,183 Co-Principal Investigator

3. Future Concepts: Crowdsoursing data analysis for emergency situation awareness and planning support “Morpheus”, 01.2013-work in progress ~5,000/per semester, Digital Mapping Enterprise project, Principal Investigator, Enterprise Team Adviser

4. Russian Ministry of Science and Education: Research in multi-media educational content and geoportal establishment for use of remotely sensed data in emergency situation response application scenario, (14.B37.21.1243),06.2012-12.2013, ~150,000 with Moscow State University of Geodesy , Principal Investigator

5. NGA : Multi-level Frame Technology for Digital Elevation Data Generation. PhaseI, NMA401-02-C-0005, 04/11/02-10/11/02, ~$99,976 PhaseII, NMA501-03-C-0011, 09/25/03-09/24/05, ~$499.973, Principal Investigator and Project Manager