

LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII ȘTIINȚIFICE DIN PROGRAMUL DE STUDII DOCTORALE

Nume: MARCU

Prenume: ALINA - ELENA

1. **Lucrări publicate** (în volume ale conferințelor)

Costea, Dragos, **Alina Marcu**, Emil Slusanschi, and Marius Leordeanu. "Creating roadmaps in aerial images with generative adversarial networks and smoothing-based optimization." In *Proceedings of the IEEE International Conference on Computer Vision Workshops*, pp. 2100-2109. 2017.

Marcu, Alina Elena, and Marius Leordeanu. "Object contra context: Dual local-global semantic segmentation in aerial images." In *Workshops at the Thirty-First AAAI Conference on Artificial Intelligence*. 2017.

Marcu, Alina, Dragos Costea, Vlad Licaret, Mihai Pîrvu, Emil Slusanschi, and Marius Leordeanu. "SafeUAV: Learning to estimate depth and safe landing areas for UAVs from synthetic data." In *Proceedings of the European Conference on Computer Vision (ECCV) Workshops*, pp. 0-0. 2018.

Costea, Dragos, **Alina Marcu**, Emil Slusanschi, and Marius Leordeanu. "Roadmap generation using a multi-stage ensemble of deep neural networks with smoothing-based optimization." In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops*, pp. 220-224. 2018.

Marcu, Alina, Vlad Licaret, Dragos Costea, and Marius Leordeanu. "Semantics through time: Semi-supervised segmentation of aerial videos with iterative label propagation." In *Proceedings of the Asian Conference on Computer Vision*. 2020.

Pîrvu, Mihai, Victor Robu, Vlad Licaret, Dragos Costea, **Alina Marcu**, Emil Slusanschi, Rahul Sukthankar, and Marius Leordeanu. "Depth distillation: unsupervised metric depth estimation for UAVs by finding consensus between kinematics, optical flow and deep learning." In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, pp. 3215-3223. 2021.

Leordeanu, Marius, Mihai Cristian Pîrvu, Dragos Costea, **Alina E. Marcu**, Emil Slusanschi, and Rahul Sukthankar. "Semi-supervised learning for multi-task scene understanding by neural graph consensus." In *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 35, no. 3, pp. 1882-1892. 2021.

Licăret, Vlad, Victor Robu, **Alina Marcu**, Dragoș Costea, Emil Slușanschi, Rahul Sukthankar, and Marius Leordeanu. "UFO Depth: Unsupervised learning with flow-based odometry optimization for metric depth estimation." In *2022 International Conference on*

Robotics and Automation (ICRA), pp. 6526-6532. IEEE, 2022.

Marcu, Alina, Mihai Pirvu, Dragos Costea, Emanuela Haller, Emil Slusanschi, Ahmed Nabil Belbachir, Rahul Sukthankar, and Marius Leordeanu. "Self-supervised hypergraphs for learning multiple world interpretations." In *Proceedings of the IEEE/CVF International Conference on Computer Vision*, pp. 983-992. 2023.

Pirvu, Mihai, **Alina Marcu**, Maria Alexandra Dobrescu, Ahmed Nabil Belbachir, and Marius Leordeanu. "Multi-Task Hypergraphs for Semi-supervised Learning using Earth Observations." In *Proceedings of the IEEE/CVF International Conference on Computer Vision*, pp. 3404-3414. 2023.

2. **Lucrări publicate în reviste CNCSIS (cu specificarea categoriei CNCSIS)**
3. **Lucrări publicate în reviste indexate BDI**
4. **Capitole de carte**
5. **Brevete**
6. **Comunicări la conferințe naționale sau internaționale**
7. **Alte mențiuni** (articole acceptate spre publicate, încă neindexate)

Dragos Costea, **Alina Marcu** and Marius Leordeanu – A self-supervised cyclic neural-analytic approach for novel view synthesis and 3D reconstruction. *British Machine Vision Conference*, 2024

Semnătură,



Aviz,

Conducător de doctorat

Nume și prenume: C.S. II Dr. LEORDEANU MARIUS

Semnătură,

