

Panagiotis Dimitrakopoulos

PhD Candidate in Machine Learning & Computer Vision

 github.com/streetakos  dimitrako.github.io  panagiotisdimitrako@gmail.com

Education

- PhD Candidate in Machine Learning & Computer Vision** | *University of Ioannina* Oct. 2020 – Present
Supervisor: Christophoros Nikou, Giorgos Sfikas
Thesis: Combining Bayesian and Deep Learning Methods in Computer Vision Problems
- M.Sc. Data Engineering** | *University of Ioannina* Feb. 2019 – Oct. 2020
Thesis: Variational Bayesian Blind Color Deconvolution of Histopathological Images
- M.Eng. Computer Science & Engineering** | *University of Ioannina* Sep. 2012 – Feb. 2019
Thesis: Detection of Pathological Cervical Cells in PAP Smear Images Using Convolutional Neural Networks

Experience

- Research Engineer** Oct. 2020 – Present
Image Processing and Analysis Laboratory (IPAN), Dept. of C.S.E., University of Ioannina
- Teaching Assistant** Oct. 2022 – Present
Digital Image Processing, Dept. of C.S.E., University of Ioannina
- Teaching Assistant** Oct. 2020 – Present
Signals and Systems, Dept. of C.S.E., University of Ioannina

Participation in Research Projects

- BESSARION** | *Open Innovation in Culture - NSRF funded* Oct. 2020 – Oct. 2023
Byzantine Electronic Scholar on-the-Spot: Automatic Inscription Analysis, Transcription and Translation.

Publications

- ICLR **Dimitrakopoulos P.**, Sfikas G., and Nikou C. "Implicit Neural Representation Inference for Low-Dimensional Bayesian Deep Learning." *International Conference on Learning Representations*. 2024.
- ICDAR Sfikas G., Retsinas G., **Dimitrakopoulos P.**, Gatos B., and Nikou C. "Shared-Operation Hypercomplex Networks for Handwritten Text Recognition." *International Conference on Document Analysis and Recognition*. Springer 2023.
- ICML **Dimitrakopoulos P.**, Sfikas G., and Nikou C. "Variational Feature Pyramid Networks." *International Conference on Machine Learning*. PMLR, 2022.
- ICASSP **Dimitrakopoulos P.**, Sfikas G., and Nikou C. "Wind: Wasserstein Inception Distance for Evaluating Generative Adversarial Network Performance." *International Conference on Acoustics, Speech and Signal Processing*. IEEE, 2020.
- ISBI **Dimitrakopoulos P.**, Sfikas G., and Nikou C. "ISING-GAN: Annotated Data Augmentation with a Spatially Constrained Generative Adversarial Network." *International Symposium on Biomedical Imaging*. IEEE, 2020.
- BIBE **Dimitrakopoulos P.**, Sfikas G., and Nikou C. "Nuclei Detection Using Residual Attention Feature Pyramid Networks." *International Conference on Bioinformatics and Bioengineering*. IEEE, 2019.
- ICIP Plissiti M.E., **Dimitrakopoulos P.** and Sfikas G., Nikou C., Krikoni O., and Charchanti A. SIPAKMED: A New Dataset for Feature and Image Based Classification of Normal and Pathological Cervical Cells in Pap Smear Images." *International Conference on Image Processing*. IEEE, 2018.

Miscellaneous

Awards	Best student paper award IEEE BIBE
Reviewing	ICASSP, ICIP, SETN Area chair for ICIP 2024
Organization	Organizer for the: 1st Workshop on 3D Computer Vision and Photogrammetry (3DCV) (ICIP 2023)

Software Proficiencies

Python, GitHub, PyTorch, NumPy, MATLAB, L^AT_EX, TensorFlow