




Panagiotis (Panos) Dimitrakopoulos

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Education

PhD in Machine Learning & Computer Vision <i>University of Ioannina</i> Supervisor: Christophoros Nikou, Giorgos Sfikas Thesis: Combining Bayesian and Deep Learning Methods in Computer Vision Problems	Oct. 2020 – Sep. 2024
M.Sc. Data Engineering <i>University of Ioannina</i> Thesis: Variational Bayesian Blind Color Deconvolution of Histopathological Images	Feb. 2019 – Oct. 2020
M.Eng. Computer Science & Engineering <i>University of Ioannina</i> Thesis: Detection of Pathological Cervical Cells in PAP Smear Images	Sep. 2012 – Feb. 2019

Experience

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

Participation in Research Projects

BESSARION <i>Open Innovation in Culture - NSRF funded</i> Byzantine Electronic Scholar on-the-Spot: Automatic Inscription Analysis, Transcription and Translation.	Oct. 2020 – Oct. 2023
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Publications

ICLR	Dimitrakopoulos P. , Sfikas G., and Nikou C. "Implicit Neural Representation Inference for Low-Dimensional Bayesian Deep Learning." <i>International Conference on Learning Representations</i> . 2024.
ICDAR	Sfikas G., Retsinas G., Dimitrakopoulos P. , Gatos B., and Nikou C. "Shared-Operation Hypercomplex Networks for Handwritten Text Recognition." <i>International Conference on Document Analysis and Recognition</i> . Springer 2023.
ICML	Dimitrakopoulos P. , Sfikas G., and Nikou C. "Variational Feature Pyramid Networks." <i>International Conference on Machine Learning</i> . PMLR, 2022.
ICASSP	Dimitrakopoulos P. , Sfikas G., and Nikou C. "Wind: Wasserstein Inception Distance for Evaluating Generative Adversarial Network Performance." <i>International Conference on Acoustics, Speech and Signal Processing</i> . IEEE, 2020.
ISBI	Dimitrakopoulos P. , Sfikas G., and Nikou C. "ISING-GAN: Annotated Data Augmentation with a Spatially Constrained Generative Adversarial Network." <i>International Symposium on Biomedical Imaging</i> . IEEE, 2020.
BIBE	Dimitrakopoulos P. , Sfikas G., and Nikou C. "Nuclei Detection Using Residual Attention Feature Pyramid Networks." <i>International Conference on Bioinformatics and Bioengineering</i> . 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." <i>International Conference on Image Processing</i> . IEEE, 2018.

Miscellaneous

Awards	Best student paper award IEEE BIBE
Reviewing	ICASSP, ICIP, SETN Area chair for ICIP 2024
Organization	The 1st & 2nd Workshop on 3D Computer Vision and Photogrammetry (3DCV @ ICIP)

Software Proficiencies

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