




Magdalini Paschali

Postdoctoral Scholar, Psychiatry

 Curriculum Vitae available Online

Bio

BIO

I'm a Postdoctoral Scholar at Stanford University in the Computational Neuroimage Science Laboratory (CNS Lab) with Prof. Kilian M. Pohl. My research focuses on machine learning models that can improve the understanding, diagnosis, and treatment of neuropsychiatric disorders.

Previously I completed my PhD at the Chair for Computer Aided Medical Procedures at the Technical University of Munich under the supervision of Prof. Nassir Navab. I am passionate about designing trustworthy deep learning methods for challenging applications.

HONORS AND AWARDS

- Graduate Student Travel Award, Medical Image Computing and Computer Assisted Interventions (MICCAI) (October 2019)
- Best Poster Award, International Conference on Information Processing in Medical Imaging (IPMI) (June 2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Public Relations Officer, MICCAI Student Board (2017 - 2020)

PROFESSIONAL EDUCATION

- PhD, Technical University of Munich , Learning Robust Representations for Medical Diagnosis (2021)
- M.Sc., Technical University of Munich , Informatics (2017)
- B.Sc., Aristotle University of Thessaloniki , Informatics (2015)

STANFORD ADVISORS

- Kilian Pohl, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: <https://magdapaschali.com/>
- Twitter Profile: <https://twitter.com/magdapasc>
- LinkedIn Profile: <https://www.linkedin.com/in/magda-paschali-69612083/?originalSubdomain=de>
- Google Scholar Profile: <https://scholar.google.com/citations?user=KsGo-QAAAAJ&hl=en&oi=ao>

Publications

PUBLICATIONS

- **Detecting negative valence symptoms in adolescents based on longitudinal self-reports and behavioral assessments.** *Journal of affective disorders*
Paschali, M., Kiss, O., Zhao, Q., Adeli, E., Podhajsky, S., Muller-Oehring, E. M., Gotlib, I. H., Pohl, K. M., Baker, F. C.

2022

- **OperA: Attention-Regularized Transformers for Surgical Phase Recognition**
Czempiel, T., Paschali, M., Ostler, D., Kim, S., Busam, B., Navab, N., DeBruijne, M., Cattin, P. C., Cotin, S., Padoy, N., Speidel, S., Zheng, Y., Essert, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 604-614
- **Rethinking Ultrasound Augmentation: A Physics-Inspired Approach**
Tirindelli, M., Eilers, C., Simson, W., Paschali, M., Azampour, M., Navab, N., DeBruijne, M., Cattin, P. C., Cotin, S., Padoy, N., Speidel, S., Zheng, Y., Essert, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 690-700
- **Longitudinal Quantitative Assessment of COVID-19 Infection Progression from Chest CTs**
Kim, S., Goli, L., Paschali, M., Khakzar, A., Keicher, M., Czempiel, T., Burian, E., Braren, R., Navab, N., Wendler, T., DeBruijne, M., Cattin, P. C., Cotin, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2021: 273-282
- **Ultrasound-Guided Robotic Navigation with Deep Reinforcement Learning**
Hase, H., Azampour, M., Tirindelli, M., Paschali, M., Simson, W., Fatemizadeh, E., Navab, N., IEEE
IEEE.2020: 5534-5541
- **SIGNAL CLUSTERING WITH CLASS-INDEPENDENT SEGMENTATION**
Gasperini, S., Paschali, M., Hopke, C., Wittmann, D., Navab, N., IEEE
IEEE.2020: 3982-3986
- **Manifold Exploring Data Augmentation with Geometric Transformations for Increased Performance and Robustness**
Paschali, M., Simson, W., Roy, A., Goebel, R., Wachinger, C., Navab, N., Chung, A. C., Gee, J. C., Yushkevich, P. A., Bao, S.
SPRINGER INTERNATIONAL PUBLISHING AG.2019: 517-529
- **3DQ: Compact Quantized Neural Networks for Volumetric Whole Brain Segmentation**
Paschali, M., Gasperini, S., Roy, A., Fang, M., Navab, N., Shen, D., Liu, T., Peters, T. M., Staib, L. H., Essert, C., Zhou, S., Yap, P. T., Khan, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2019: 438-446
- **Generalizability vs. Robustness: Investigating Medical Imaging Networks Using Adversarial Examples**
Paschali, M., Conjeti, S., Navarro, F., Navab, N., Frangi, A. F., Schnabel, J. A., Davatzikos, C., AlberolaLopez, C., Fichtinger, G.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 493-501