

PRL Symposium Winter 2024

March 13th – 15th, Erlangen

Presentations

<https://fau.zoom-x.de/j/66685338070>

Pattern Recognition Lab

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Wednesday, March 13

9:20 Talks session 1

9:20 *Andreas Maier* PRL
Opening Address

9:40 *Alexander Barnhill* SAGI
finwave: Helping Experts Generate Large Datasets

10:00 *Sonja Kunzmann* CV
Towards an Unobtrusive Quality Check for a Medical Crowdsourcing Annotation Tool via Gamification

10:20 *Hakan Calim* CV
Feel the environment with SENSATION

10:40 Break

11:00 Poster session 1

Timo Klemm IPA
Analysis and characterization of energy spectra of a photon-counting detector

Nastassia Vysotskaya IPA/TSI
Transforming Cardiovascular Health: A Transformer-based Approach To Continuous, Non-Invasive Blood Pressure Estimation Via Radar Sensing

Zijin Yang MRI
Segmentation using data with motion artifacts

Hiuching Hung SAGI
"Exploring Multimodal Cues in Childrens L2 learning: Speech, Facial Expressions, and Pedagogical Implications Name: Hiuching Hung"

Maximilian Reymann IPA
Influences in Data Driven Gating in SPECT

Mathias Öttl DigiPatho
Semantic Zero-Shot-Style Diffusion Models for Semi-Supervised Histopathology Segmentation

12:20 Lunch break

Thursday, March 14

10:20 coffee

10:40 Poster session 3

Aleksandra Thamm CV
Unsupervised Deep Learning for Advanced Forming Limit Analysis in Sheet Metal: A Tensile Test-Based Approach

Linda Schneider IPA
IP-based formulation of Tuy completeness for CT Trajectory Optimization

Dominik Stecher DPUI
Data set creation - A long and rocky road

Paul Stöwer CCN
The Potential Rise of AGI - Challenges, Chances and Understanding AI Systems Better

Jimmy Retzlaff CV
Feature extraction from immuno-stained metastases slices of therapy responders and non-responders

Daniel Mosig IPA/LAMBDA
Analysis of Federated Learning Approaches for Training Thoracic Abnormality Classification Systems

12:20 Lunch Break

14:00 Talks session 3

14:00 *Mathias Zinnen* CV
Combined Keypoint Estimation and Gesture Recognition on Artworks

14:20 *Martin Leipert* CV/TH Deggendorf
Localization of Boxed Shoes in Computed Tomography Volumes

14:40 *Alexander Jung* IPA/TH Deggendorf
Towards efficient truncation correction in arbitrary geometry: Residual Projections for Region Of Interest Algebraic Reconstruction

Friday, March 15

12:20 Lunch break

14:00 *PRS team* PRL
Poster awards / Conclusion

Questions?

Responsible people:

Paula Andrea Perez
Linda Vorberg
Yipeng Sun
Siyuan Mei
Alexander Jung
Jimmy Retzlaff

For any question regarding the conference, please contact us at

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