11:30 Aleks Thamm

Analysis of Forming Limits in Sheet Metal Forming Based on Tensile Tests with Unsupervised Deep Learning Methods

11:45 *Timo Klemm*Detector analysis on photon counting detectors

12:00 Lunch Break

Friday 14th July

Questions?

Responsible people:

Paula Andrea Perez Badhan Das Eduardo Castaneda Florian Goldmann Jonas Mueller Nastassia Vysotskaya Sheethal Bhat

For any question regarding the conference, please contact us at

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Pattern Recognition Lab

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Monday 10th July

- 16:00 Poster Session 1
- 16:00 Martin Leipert CV CT Mask: instance segmentation in industrial CT
- 16:00 Luis Carlos Rivera Monroy LAMBDA Advancements in Graph-based Cell Subtype Classification for Multiple Cancer Types
- 16:00 Aline Sindel CV A Vessel-Segmentation-Based CycleGAN for Unpaired Multi-modal Retinal Image Synthesis
- 16:00 Fuxin Fan IPA
 Simulation-Driven Training of Vision Transformers Enables Metal Artifact Reduction of Highly
 Truncated CBCT Scans
- 16:00 Mikhail Kulyabin LAMBDA
 Precise Classification of Electroretinogram Signals using AI
- 16:00 Kai Packhäuser LAMBDA

 Deep Learning-based Anonymization of Chest
 Radiographs: A Utility-preserving Measure for
 Patient Privacy
- 16:00 Jimmy Retzlaff LAMBDA
 Integration of transcriptomics data into a multiscale model of melanoma to identify mechanisms
 of immunotherapy resistance
- 16:00 Sally Zeitler

 Determination of Forming Limits for Sheet Metal based on Plane Strain Tests
- 16:00 *Linda Vorberg*Detection of Pulmonary Embolisms in NCCT

 Data using nnDetection
- 16:00 Hiuching Hung SAGI
 Speaking Clearly, Understanding better: Predicting the L2 Narrative comprehension of Chinese Bilingual Kindergarten Children Based on Speech Intelligibility Using a Machine Learning Approach

Tuesday 11th July

- 9:00 Talk Session 1
- 9:00 Stefan Ploner OPH
 A Spatiotemporal Illumination Model for 3D
 Image Fusion in Optical Coherence Tomography
 (ISBI '23)
- 9:15 Junaid rasool Rajput MRI Physics-Informed Conditional Autoencoder Approach for Robust Metabolic CEST MRI at 7T
- 9:30 Paula Perez SAGI So you think you can Rhythm?
- 10:00 Public Viewing
- 10:00 David Li Karlsruher Institut für Technologie
 Optimizing Energy Efficiency of Large-Scale
 Deep Learning Models using FourCastNet: A Global Weather Forecast Model
- 12:00 Lunch Break
- 14:45 Talk Session 3
- 14:45 Jochen Zöllner Planet AI
 Multimodal Document Classification with LayoutLM from Scratch
- 15:00 Mathias Zinnen CV Smell Gesture Recognition using Pose Estimation and Contextual Image Features
- 15:15 Yipeng Sun IPA Genetic Neural Architecture Search for Edge TPU
- 15:30 Mareike Thies
 Optimizing CT Scan Geometries With and Without Gradients
- 16:00 Guest Talk 1
- 16:00 *Dr. André Aichert* Siemens Healthineers Artificial Intelligence for Healthcare

Wednesday 12th July

9:00 Poster Session 3

- 9:00 *Jingna Qiu*Diverse Region Selection for Active Learning in Whole Slide Image Semantic Segmentation
- 9:00 Frauke Wilm CV MIDOG 2.0: Lessons learned from our 2nd challenge edition
- 9:00 Bin Long IPA
 Deep Learning Models of Ultrasonography Significantly Improved the Differential Diagnosis Performance for Superficial Soft-Tissue Masses: A Retrospective Multicenter Study
- 9:00 Chang Liu LAMBDA
 Anatomy-based data augmentation for segmentation dataset
- 9:00 *Jonas Müller*Object-specific trajectory planning for robot-guided computed tomography
- 9:00 *Mathias Öttl* **LAMBDA** HER2 tissue segmentation for scoring and more
- 9:00 Zijin Yang
 Liver lesion segmentations and detection
- 9:00 Paul Stöwer CCN
 Building Multi Modal Cognitive Maps with the
 Successor Representation
- 9:00 *Haijun Yu* IPA Source translation scanning mode for interior tomography
- 9:00 Sebastian Wind PRL
 Generating academic reviews using large language models
- 11:00 Guest Talk 2
- 11:00 *Dr. Michal Hradiš* Brno University of Technology Between academia and industry: historical documents and medical AI
- 12:00 Lunch Break

Thursday 13th July

11:30 Talk Session 5