

## AAPR | 23 - Preliminary Programme

24.10.2023			
9:30	<b>Opening</b>		
9:45	<b>Invited talk</b>	Christoph Bock - CeMM, MedUni Wien	
10:30	<b>Session 1: Medical Imaging</b>	Moritz Erlacher	Joint Non-Linear MRI Inversion with Diffusion Priors
		Emese Sükei	Learning Transferable Retinal Representations from Multi-modal Imaging via Contrastive Pre-training
		Simon Gutwein	GENUINE: Genomic and Nucleus Information Embedding for Single Cell Genetic Alteration Classification in Microscopic Images
11:30	<b>Coffee break</b>		
12:00	<b>Session 2: 3D Vision</b>	Shromm Gaid	Evaluating 2D vs 3D Neural Network Efficacy in Sow Posture Detection With Synthetic Data
		David Schinagl	How Geometric Context Improves Confidence Estimation for LiDAR-based 3D Object Detectors
12:40	<b>LUNCH BREAK</b>		
13:30	<b>Invited talk</b>	Joel Podgorski - EAWAG Aquatic Resaerch	
14:15	<b>Session 3: Multi-modal machine learning</b>	Lorenz Kapral	Continuous prediction of intraoperative blood pressure using transformer models
		Christoph Fürböck	Combining multi-modal imaging data increases performance of deep learning model for breast cancer sub-type prediction
15:00	<b>Coffee break</b>		
15:30	<b>Poster Session</b>		
17:00	<b>End</b>		
18:00	<b>Reception</b>		

Poster session (24.10.2023 15:30 - 17:00)	
Posters of the talks	
Costin Bernhart	RetroFaceID: Face Recognition in Historical Image Archives
Bertram Sabrowsky-Hirsch	Automatic Anatomical Annotation of CBCT Scans for Maxillofacial Prosthetics
Martina Uray	Continuous 3D measurement of formed parts - An optimized workflow
Andreas Flatscher	Horse Behaviour Classification During Air Transportation Using YOLO Object Detector
Daniel Sobotka	Enhancing liver fibrosis prediction on non-contrast T1w images with auxiliary MR elastography data
Stefan Josef Arzberger	Domain Adaptation of 3D Object Detection for Infrastructure Monitoring
Harald Ganster	AI-based Hyperspectral Analysis for Circular Economy Applications
Botond Fazekas	Semi-supervised retinal biomarker segmentation in Optical Coherence Tomography with topological guarantees
Branko Mitic	Domain shift detection for an emerging infectious lung disease monitor
Sarah A. Schneider	Encoding Semantic Properties - Unveiling Explainable AI for Industrial Inspection
Javier Ureña Santiago	Vision Transformers in disinfection assertion: Comparative study of SOTA architectures in weakly-supervised learning microorganism counting

25.10.2023			
9:30	<b>Invited talk</b>	Gerhard Ecker - Uni Vie	
10:15	<b>Session 4: 3 paper talks: 15+5</b>	Marvin Burges	Scientific Spotlight: Self-Supervised Learning for Historical Aerial Images
		Christian Stippel	From RGB to Depth and Thermal: Mapping between Modalities to Alleviate Data Scarcity
		Vladimir N Zeljkovic	Dimensionality reduction for AI based hyperspectral image classification based on XAI
11:15	<b>Coffee break</b>		
11:45	Panel discussion - participants TBD		
12:45	<b>LUNCH BREAK</b>		
13:30	<b>Invited talk</b>		
14:15	<b>Coffee break</b>		
14:45	<b>Session 5: Temporal models</b>	Philipp Schwarz	Resolving Temporal Misalignment in Gait Recognition
		Raquel Panadero Palenzuela	Cyclist Trajectory Prediction from an Ego-Vehicle Camera Using Recurrent Neural Networks
15:30	<b>Closing and best paper etc awards</b>		