Programme of SVCP 2025

Monday, 14.7.

8:00 - 8:30	Reception	
8:30 - 8:50	Welcome	
8:50 - 9:45	**Keynote + Diskussion**	
	Sebastian Schwarz	Future of Video - What's on the horizon?
	Session 1:	**Learned Compression+**
9:50 - 10:10	Wawerek-López, Paul	OSLO-IC: On-the-Sphere Learned Omnidirectional Image Compression with Attention Modules and Spatial Context
10:10 - 10:30	Li, Xiumei	Optimized Learned Image Compression for Facial Expression Recognition
10:30 -10:50	Raj, Sushmita	Optimizing Filter Banks for Compression: A Black-Box Approach to Mutual Information Minimization
10:50 - 11:20	Coffee break	
	Session 2:	**VVC+**
11:20 - 11:40	Schäfer, Michael	Non-linear transform coding approaches for block-based hybrid video coding
11:40 - 12:00	Ritthaler, Marina	Improved Motion Plane Adaptive 360-Degree Video Compression Using Affine Motion Models
12:00 - 12:20	Benjak, Martin	Exploration of Sequence-wise Optimized Parameters for Low Complexity Enhancement Video Coding (LCEVC) on 4K Content
12:20 - 12:40	Claßen, Tim	Improved Upscaling Techniques for RPR
12:50 - 14:00	Lunch at Mensa (canteen)	
	Session 3:	**XR + PointCloud**
14:00 - 14:20	Mehlem, Dominik	CABAC Coding of Point Cloud Geometry Latent Coefficients
14:20 - 14:40	Bhattacharya, Abhinav	AMIS: An Audiovisual Dataset for Multimodal XR Research
14:40 - 15:00	Kalamkar, Snehanjali	Design and Implementation of an Immersive CAVE System
15:00 - 17:00	**Postersession**	**Mixed Topics**
	Windsheimer, Marc	Conflicts between Temporal Modeling and Local Rate Control in Neural Video Compression
	Deniffel, Simon	A Review of Modern Entropy Models for Learned Image Compression
	Prativadibhayankaram, Srivatsa	A Comparative Analysis of Traditional and Learned Transforms in Image Compression
	Das, Priyanka	Adaptive Smoothing Of Non-Rectangular Prediction Block Edges In The Wedge Mode Of AVM
	Kossira, Katja	Inter-Camera Color Correction for Camera Arrays Using a Consensus Image
	Qureshi, Muhammad Amin	Energy estimation of image and video processing algorithms on RISC-V architectures
	Zhou, Xuemei	Gaussian Mixture Model for Point Cloud: Representation and Quality Assessment
	Schlegel, Willi	AI Media Library | AI-Based System for Extracting and Generating Metadata from Analog Media
15:30 - 16:30	Coffee break	
17:00 - 18:00	Spare Time	
18:00 - 20:30	**Social event**	

Tuesday, 15.7.		
8:30 - 8:50	Reception	
8:50 - 9:45	**Keynote + Diskussion**	
	Eugen Wige Kristian Fischer	From Sensor to Decision - Insights into the Development of Autonomous Driving Systems with a Focus on Teleoperation
	Session 4:	**HDR**
9:50 - 10:10	Wang, Hui	Variable-Rate Learned HDR Image Compression
10:10 - 10:30	Prenzel, Julius	Sensory Evaluation of HDR Display Properties
10:30 - 10:50	You, Hongjie	Backward Compatible HDR Imaging with Gain Map Standard, Application and Coding Efficiency
10:50 - 11:20	Coffee break	
	Session 5:	**Signal Processing+**
11:20 - 11:40	Siyavashi, Alireza	Zero-Shot Segmentation and Automated Reporting in Mammography: A Vision-Language Approach
11:40 - 12:00	Evers, Julia	Edge Detection Scheme Based on the Multi-Resolution form of Singular Value Decomposition
12:00 - 12:20	Sühring, Karsten	Authentication Mechanisms for Video Coding
12:20 - 12:45	**Awards, Summary, and Closure**	
12:50 - 14:00	Lunch at Mensa (canteen)	
14:00 - 16:30	**ITG FA**	
15:00 - 15:30	Coffee break	

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