

Opening (N2045 Hörsaal)	9.00 – 9.10	Jörg Hähner	Welcome
	9.10 – 9.25	Bernhard Bauer	History of FAI
	9.25-9.35	Organization Committe (Annemarie Friedrich, Neele Kempers)	Infos on Organisation and Poster Award

		Bioinformatics und Medical Information Sciences / Theory	Cyber-physical Systems Engineering / Robotics & Physical AI	Environmental Sciences / Geography	Data Science and AI
		N 1056	N 1057	N 1055	N 1058
		Chair: Frank Kramer [Theory: Jakob Kottmann]	Chair: Michael Seufert	Chair: Peter Fiener	Chair: Annemarie Friedrich
Oral 1	9.45 – 10.45	Pierre Aublin: Adaptation and application of AI methods towards predictive cardiology (Introductory talk for habilitation, 45+15)	Gopi Krishna Konda: Inline Detection and Control of Polymer Melt Density Fluctuations Focused On PIR/PCR In Injection Molding (External PhD student oral talk, 20+10)	Cesar Alvarez: GeoAI for the Physical World: Earth Observation, Foundation Models, and Urban Digital Twins (Introductory talk for habilitation, 45+15)	Carlos Gonzalez Diaz: Eye-tracking data and Engagement in Social VR groups (postdoc talk, 30+10)
			Filip Simonovski: Understanding Quality of Experience in the Era of Short-Form Videos (Internal PhD student mid-term talk, 20+10)		Nils Mandischer: Autonomy and Personalization in Assistive Robots (30+15)

Posters 1 (with coffee) - Foyer	10.45 – 11.45	Anastasia Semertzidou: Movement-based Interventions for Movement Disorders: The clinical studies of Ping Pong and Dance-Ballet in Parkinson's Disease	Julius Aka: Balanced Neural ODEs - nonlinear model order reduction and Koopman operator approximations	Chenyu Zuo: Walkable Augsburg	Cristina Luna Jiménez: Emotion Recognition in German Sign Language: What hands and face encode
		Cong Quan Ta: Integration of proteomic data from cell lines and tumors	Raoul Zebisch: JIT-compiled SPARQL query execution using graph sub-operators	Claudia Mignani: Bioaerosol and ice-nucleating particle responses to convective storms at a semiarid grassland area in Colorado	Fabio Mariani: "Ein Freinttlichen Trunck": the Zechzettel dataset for handwritten text recognition and information retrieval
		Johannes Hoffmann: Multi-Channel Bioimpedance Analysis		Bhargavi Mahesh: Physiological and Cognitive Responses to Walking in Natural and Built Urban Environments'	Georg Hofmann: Large Language Models in Historical Studies: From Short Answer Scoring to Bibliography Tagging
		Thomas Kiderle: Guardrails in Healthcare	[Theory] Marcus Wunderlich: Strategic Location Choice		Hanna Schmück: Diachronic computer-assisted discourse analysis
		Johannes Maria Auth: Identify Unknown SPPL3 Substrates With Explainable AI	[Theory] Morteza Alimi: tbd		Xaver Krückl: Cross-Linguistic Situation Entity Segmentation for Discourse Analysis in Diachronic English and German Text
					Johannes Kirmayr: CAR-bench: Building Reliable LLM Agents Under Real-World Uncertainty

Oral 2	11.45 – 12.15	Jiedan Xiao: bulk2scDiff: A Pseudobulk-Conditioned Diffusion Model for Bulk-to-Single-Cell RNA-Seq Generation (Internal PhD student mid-term talk, 20+10)	Simon Buck: Optimal Cabin Cooling Control for BEV using Neural ODE-based Surrogate Model (External PhD student oral talk, 20+10)	Abdel Nassirou Yahaya Seydou: Regional extreme weather responses to land use and land cover changes in Sahelian West Africa: a numerical sensitivity analysis using WRF and WRF-Hydro (Postdoc talk, 20+10)	Marius Funk: Cross-cultural Gesture Generation for Interactive Social Agents (Internal PhD student mid-term talk, 20+10)
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Lunch Break	12.15 – 13.30	self-organized at Mensa			
Oral 3	13.30-15.00	[Theory] Erik Schultheis: Simulation of Combinatorial Operator Expansions (External PhD student talk, 20+10)	Johannes Schleicher: Analysis of Current Internet Application Sessions (Internal PhD Student mid-term talk, 20+10)	Harison Kipkulei: Multi-scale agricultural digital twins for data-sacarce landscapes (Introductory talk for habilitation, 45+10)	Michael Heider: Using highly interpretable models in dogs, cooking, and spacecrafts (Introductory talk for habilitation, 45+10)
		[Theory] Oliver Hüttenhofer: A Quantum Algorithm for Ground State Preparation in First Quantization via Green's Functions (Internal PhD student mid-term talk, 20+10)	Robin Huwa: Modelling Quantitative Flexibility Dimensions in Production Systems (Internal PhD Student mid-term talk, 20+10)		
			Jordan Schneider: Towards Intelligent Adaption in CAS through Physiological Computing - wants talk in Robotics or Cyber physical AI (postdoc talk, 20+10)		

Posters 2 (with coffee) - Foyer	15.00-16.15	Fabio Hellmann: FaceMesh2HPO: Facial Phenotyping with Hierarchical HPO Classification	Haolei Tong: Adaptive Diffusion Constrained Sampling for Bimanual Robot Manipulation	Eva Nuhn: What sounds could guide us indoors?	Jonathan Wurth: Decomposing Anytime Algorithm Performance with Bayesian Ranking ANOVA
		Johann Frei: Faithful Extraction and Analysis of Medical Data	Haolong Li: Co-VLA: Consensus-based Federated Training for Vision-Language-Action Models	Lika Zhvania: Spatio-social networks across relational and spatial contexts	Korbinian Flietel: Pose Estimation from WiFi Signals
		Supriya Dash: Leveraging cfDNA epigenetic profiling using nanopore sequencing for better treatment & prognosis in solid cancers	Josef Jouaux: Differentiable Particle Dynamics: Integrating Graph Neural Networks and NeuralODEs in Julia	Zulfa Nuraini Afifah: Uncertainty Visualization on Noise Maps	Michael Dietz: CONFIDENCE: Mobile interactive self-esteem training for treating bullying among children
		[Theory] Adelina Bärligea: Lie-Algebraic Classical Simulation of Quantum Systems	Lukas Mack: Poster Title: "Visuo-Tactile Object Pose Estimation for a Multi-Finger Robot Hand with Low-Resolution In-Hand Tactile Sensing"	Wamba Tchinda Claudin: Synoptic drivers of the August 2024 record-breaking rainfall in the Chadian Sahara: dynamics, thermodynamics, and socio-economic consequences	Thomas Kiderle: Multimodal Generation of Contextualized Jokes for a Real-Time Virtual Character
		[Theory] Timo Scharfe: FrayedEnds: Basis set free quantum chemistry	Anan Schütt: Understanding Difficulty & Difficulty Adjustment for Improved Learning and Enjoyment		Daksitha Withanage Don: Behavior Generation and Behavior Understanding

Fun Quiz Closing & Poster Awards Hörsaal N 2045	16-15-16.45
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