SAIL Closing Conference “New Horizons in AI” | Poster Session

Please note that the poster session is divided into two time slots: odd-numbered posters will be presented from 3:30–4:00 pm, and even-numbered posters from 4:10–4:40 pm.

No.	Speaker	Additional Authors	Title
01	Manar Ali	Hendrik Buschmeier, Judith Sieker, Sina Zarrieß	Reference Games as a Testbed for the Alignment of Model Uncertainty and Clarification Requests
02	Clarissa Sabrina Arlinghaus	Günter W. Maier, Salah Seidan, Enes Yigitbas	Does It Hurt Less When the Excluder Is Less Human-Like? A Multi-Study Investigation of Social Exclusion Across Agents and Modalities
03	Hasina Attaullah	Thorsten Jungeblut	Fair and Efficient Facial Expression Recognition via Knowledge Distillation for Edge Deployment
04	Nico Baumgart	Markus Lange-Hegermann	Towards semantic product search of electronic components using established international description standards
05	Milena Belosevic		Computational Modelling of Common Ground in German Counselling Conversations
06	Christoph Berganski	Felix Jentzsch, Linus Jungemann, Bjarne Wintermann	FINN+: Towards Hassle-Free Co-Design of FPGA DNN Inference Accelerators
07	Ananta Raj Bhattarai	Helge Rhodin	Re-Depth Anything: Test-Time Depth Refinement via Self-Supervised Re-lighting
08	Julian Bültemeier	Jan Ehlenbröker, Christoph-Alexander Holst, Volker Lohweg	Data-Driven Process Understanding in Steel Spring Manufacturing Using Time Series Analysis
09	Jesper Dannath	Benjamin Paaßen	Simulating Programming Traces and State Spaces using Large Language Models
10	Hitesh Dhiman		Feedback interventions in digital task assistance as pathways to meaningful work
11	Jan Ehlenbröker	Christoph-Alexander Holst, Volker Lohweg	Explainable AI for Human-Centered Quality Control in Plastic Fiber Production
12	Lukas Fehring	Leona Hennig, Marius Lindauer, Maxilian Spliethöver, Henning Wachsmuth, Marcel Wever	DynaBO: Dynamic Priors in Bayesian Optimization (or the project building on top of it)
13	Steffen Fricke	Jürgen Jasperneite	From Intent to Configuration: An LLM Co-Pilot for TSN/5G Networks
14	Leona Hennig	Jasmin Brandt, Lukas Fehring, Barbara Hammer, Marius Lindauer, Marcel Wever	Provable Sample Cost Reduction in Prior-Guided Hyperparameter Optimization
15	Michael Hieb	Volker Lohweg	Integrating Multiview Deep Learning Defect Detection with Knowledge Graph–Driven Process Optimization in Injection Molding
16	Inga Jagemann	Sabrina Hegner, Gerrit Hirschfeld	What Drives Acceptance of AI-Based Skin Cancer Screening Apps? The Role of Trust, Ratings, and Provider Type in an extended TAM
17	Bjarne Jaster	Martin Kohlhase, Wolfram Schenck, Eiram Mahera Sheikh, Alaa Tharwat	Low Query Budget Active Learning for Classification and Regression

18	Tristan Kenneweg	Barbara Hammer, Philip Kenneweg	JEPA for RL: Investigating Joint-Embedding Predictive Architectures for Reinforcement Learning
19	Julian Knaup	Christoph-Alexander Holst, Volker Lohweg	Towards Physically Realistic Adversarial Attacks on Banknote Authentication
20	Aida Kostikova		LLLMs: A Data-Driven Survey of Evolving Research on Limitations of Large Language Models
21	Tim Wilhelm Kroll	Oliver Kamps, Oliver Mai	Machine Learning Methods for Modeling Complex Dynamical Systems
22	Kathrin Lammers	Fabian Hinder, Barbara Hammer, Valerie Vaquet	Fairness in a Changing World - Benchmarking and Evaluating Fair Stream Learners
23	József Lurvig	Hanno Meyer zu Theenhausen, Klaus Neumann	VLM-Driven Zero-Shot Data Augmentation for Autonomous Rail
24	Ruthika Madhusudhana	Hasina Attaullah, Thorsten Jungeblut, Annika Peters	Towards Cognitive Assessment Through Analysis of Daily Activity Patterns in Smart Home Environments
25	Thorben Markmann	Barbara Hammer, Hans Harder, Sebastian Peitz, Roshan Samuel, Jörg Schumacher	Spherical Neural Operators for Generative Modeling of Rayleigh-Bénard Convection in Spherical Shells
26	Adel Memariani	Michael Röder, Axel-Cyrille Ngonga Ngomo	Robustness of Knowledge Graph Embeddings Under Data Perturbations
27	Ana Alexandra Morim da Silva		Generating Synthetic Knowledge Graphs for Scalable and Future-Resilient Systems
28	Tatiana Moteu Ngoli	Axel-Cyrille Ngonga Ngomo, Rene Speck, Hamada Zahera	Neuro-symbolic Knowledge Editing
29	Sudi Murindanyi	Helge Rhodin	Audio Understanding and Representation Assistant
30	Kalidasan Nediyamparambath	Patrick Gaudl, Christoph-Alexander Holst, Volker Lohweg	Resource-Efficient RAG Assistants for Parkinson's Care: Quantization Strategies for Local Deployment
31	Daniel Owolabi	Helge Rhodin	Ultrasound Imitation Learning for Robot Control
32	Keno Pape		Learning-Based Reference Prediction for Real-Time Model Predictive Motion Cueing
33	Katharina Pilar von Pilchau		Identification of flood areas using a data-driven model. A case study for selected catchment areas in the Weserbergland region
34	Lars Quakernack		Forecast-based management of sector-coupled systems in distribution grids
35	Fabian Ridder	Malte Schilling, Laurin Lessel	RAGognizer: Hallucination-Aware Fine-Tuning via Detection Head Integration
36	Alexandra Schaefer		Using Sensor Signal Noise to Assess the Performance of Ammonium Sensors in Wastewater Treatment Plants
37	David Maria Schmidt	Philipp Cimiano	Towards Explainable and Reliable Compositional Behavior in Knowledge Graph Question Answering Systems
38	Eiram Mahera Sheikh	Wolfram Schenck, Alaa Tharwat	Efficiency–Sustainability Trade-offs in Cellpose Architectures: A Comparative Analysis of U-Net and Transformer-Based Model
39	Judith Sieker		Probing Pragmatic Competence in Large Language Models
40	Sophie Jasmin Spliethoff	Özge Alaçam, Sanne Hoeken, Silke Schwandt, Sina Zarrieß	Mapping models in humanities research: How many truths are in ground truth data?

41	Felix Störck	Barbara Hammer	The Benefits of Forgetting Mechanisms in Non-stationary Reinforcement Learning
42	Sahana Yadnakudige Subramanya	Michael Röder, Axel-Cyrille Ngonga Ngomo	Automatic Evaluation of RAG: Do We Need an Expensive Judge for Optimization?
43	Baris Gün Sürmeli	Clemens Ringel, Saleem Al-Dakkak, René Staritzbichler, Helene Dörksen, Thorsten Kaiser	Machine Learning-Based Wrong Blood in Tube Detection under Heterogeneous Analyte Availability
44	Jörn Tebbe		Safe Active Learning and Control via Gaussian Processes
45	Daphne Theodorakopoulos	Marcel Wever, Marius Lindauer	Dynamic Hyperparameter Importance for Efficient Multi-Objective Optimization
46	Valeriia Tykhonenko	Mara Brandt, Katharina J. Rohlfing, Mathis Tibbe, Anna-Lisa Vollmer	Designing adaptive AI regarding temperamental differences in children: how shyness shapes interaction with social robots
47	Stella Katharina Wermuth	Thorsten Jungeblut	Privacy-Enhanced Passenger Monitoring Using Global Image Blurring
48	Julius Wörner		Between Models and Data: Towards Diagnosing with Electronic Noses and Machine Learning
49	Quannian Zhang		Explainable Benchmarking