POSTER PRESENTATION SCHEDULE 2026

Poster Session #1 - January 14th 11:30-12:45

* Best Poster Award Contestant

Software

ID	AUTHOR	POSTER TITLE
1S1	Ahmad B. Usman	
3S1	Andreas Bexell	Energy Consumption of Classification With Models of Different Sizes
5S1	Antonia Welzel	Resolving Requirement Conflicts at Runtime
7S1	Erik Präntare	Incrementalizing Lazy Dataflow Fixpoint Evaluation
9S1	Janos Kövér	Towards Practical Defenses Against Traffic Analysis
11S1	Lo Gullstrand Heander	Can Code Review be Modeled as a Cognitive Decision-Making Process?
13S1	Maggie Tran	Noise-Tolerant Plaintext-Checking Oracle Attacks — A Soft-Analytic Approach Applied to ML-KEM
15S1	Máté Földiák	Text2MQL: Teaching Model Query Languages to Open-Source Language Models with ChatGPT
17S1	Nadim Hagatulah	
19S1	Piero Romare	*Hear me Blink: A Multimodal Authentication System
21S1	Ranim Khojah	*Chatbots and software engineers: A collaboration still under construction
23S1	Rushali Gupta	An ethical step towards AI alignment
25S1	Shouran MA	*One Fell Swoop: A Single-Trace Key-Recovery Attack on the Falcon Signing Algorithm
27S1	Yangyang Wen	A Decentralized Microservice Scheduling Approach Using Service Mesh in Cloud-Edge Systems
29S1	Yiran Wang	CRANE-LLM: Runtime-Augmented LLMs for Early Crash Detection and Diagnosis inMachine Learning Notebooks

Artificial Intelligence/Machine Learning

ID	AUTHOR	POSTER TITLE

31S1	Adam Orucu	*Automated Model Design using Neuron Selection in Telecom
33S1	Ahmad Saeed Khan	On the Effects of Irrelevant Variables in Treatment Effect Estimation with Deep Disentanglement
35S1	Ahmet Balcioglu	Identifiable Latent Bandits (ILB): Leveraging observational data for personalized decision-making
37S1	Alkis Sygkounas	*COvolve: Adversarial Co-Evolution of LanguageModel-Generated Policies and Environments via Two-Player Zero-Sum Game
39S1	Amir Daghestani	Byzantine-Robust Federated Learning with Learnable Aggregation Weights
41S1	Anahita Baninajjar	VNN: Verification-Friendly Neural Networks with Hard Robustness Guarantees
43S1		
45S1	Arseni Ivanov	Grouped Neural Texture Compression
47S1	Bernardo Taveira	Diffusion Models for Driving Scenario Rendering
49S1	Cuong Le	The Dynamics in Human Motions
51S1	David Nordström	Quicker ViTs with Equivariance
53S1	Emma Granqvist	
55S1	Ermanno Bartoli	*Social 3D Scene Graphs
57S1	Filip Kronström	Ontology-based box embeddings and knowledge graphs for predicting phenotypic traits in Saccharomyces cerevisiae
59S1	Finn Rietz	*Prompt Tuning Decision Transformers with Structured and Scalable Bandits
61S1	Fredrik Malmberg	
63S1	Gulnaz Zhambulova	Overlap-Free Modality Generalization in Remote Sensing Foundation Models
65S1	Hampus Åström	Environment Agnostic Goal-Conditioning — A Study of Reward-Free Autonomous Learning
67S1	Håkan Karlsson Faronius	Independence is Not an Issue in Neurosymbolic AI
69S1	Jack Sandberg	Efficient Prior Selection in Gaussian Process Bandits with Thompson Sampling
71S1	Jens Gulin	Integrating SmoothMotion Assumptions with RANSAC-based Sound Source Localization
73S1	Joana Palés Huix	*Are Natural Domain Foundation Models Useful For Medical Image Classification?
75S1	José Pedro	Learning a Distance Function for Camera Localization
77S1	Julian Alfredo Mendez	Formalizing Fairness for AI: a Metamodel, a Modeling Framework, and a Functional Implementation
79S1	Karol Wojtulewicz	Advancing Player Identification and Tracking with Global ID Fusion (GIF)
81S1	Klas Wijk	Discrete modeling without breaking backprop
83S1	Kristina Levina	RL with Reward Machines for Energy Optimisation

ID	AUTHOR	POSTER TITLE
85S1	Linus Aronsson	An Efficient Local Search Approach for Polarized Community Discovery in Signed Networks (NeurIPS 2025)
87S1	Lukas Borggren	Adapting LLMs for Swedish News Media
89S1	Maja Lindström	Compressing regularized dynamics improves link prediction with the map equation in sparse networks
91S1	Marcus Lassila	Practical Bayes-Optimal Membership Inference Attacks
93S1	Martin Andrae	DAISI: Data Assimilation with Inverse Sampling using Stochastic Interpolants
95S1	Matthias Möller	Neurosymbolic Decision Trees
97S1	Minerva Suvanto	Detecting LLM-generated Creative Writing
99S1	Nikita Torgashov	VoXtream: Full-Stream Text-to-Speech with Extremely Low Latency
101S1	Nudrat Habib	
103S1	Olle Hansson	Finite Word-Length Effects for Symmetric Matrix Inversion with Vector -Based Algorithms
105S1	Yanning Ji	Screaming Channels Revisited: Encryption Key Recovery from AES-CCM Accelerator
107S1	Sana Alazzawi	Bringing the Human back into the loop - Effective Framework for Cleaning HTR Datasets
109S1	Shih-Min Yang	*KEA: Keeping Exploration Alive by Proactively Coordinating Exploration Strategies
111S1	Sonia-Florina Horchidan	ConANN: Conformal Approximate Nearest Neighbor Search
113S1	Valency Colaco	
115S1	William Ahlberg	Exploring Model-Based Shielding for Non-Player Character Behaviour
117S1	Yifan Ding	Enhancing Out-of-Distribution Detection with Extended Logit Normalization
119S1	Yossra Gharbi	

Artificial Intelligence/Math

ID	AUTHOR	POSTER TITLE
121S1	Aban Ansari-Önnestam	On Modified Newton Methods for Unconstrained Optimization Based on the Lanczos Tridiagonalization
123S1	Amanda Nilsson	Towards Initialization-free Calibrated Bundle Adjustment
125S1	Anton Åkerman	Splitting the Forward-backward Algorithm: A Full Characteri-zation
127S1	Björn Wehlin	Topology and Crime
129S1	Damien Van Meerbeeck	End-to-End Classical Planning using CP and Belief Propagation
131S1	Elias Nyholm	
133S1	Emma Andersdotter	Steerable NODEs on Homogeneous Spaces

135S1	Fethi Bencherki	Adaptive Control of Positive Systems with Application to Learning SSP
137S1	Gustav Hanning	PixCuboid: Room Layout Estimation from Multi-View Featuremetric Alignment
139S1	Jayadev Naram	Theoretical Performance Guarantees for Partial Domain Adaptation via Partial Optimal Transport
141S1	Karlo Palenzuela	Provable Reduction in Communication Rounds for Non-Smooth Convex Federated Learning
143S1	Kim Lukas Kiehn	Algebraic Geometry in Computer Vision
145S1	Marcus Häggbom	Mean-Field Microcanonical Gradient Descent
147S1	Nathaniel Helgesen	
149S1	Oskar Nordenfors	*Neural Network Ensembles Provably Learn Equivariance
151S1	Prabhat Kumar Jha	*Algebra for Alternation
153S1	Sachin Rajendran	Implementing Logic-Based Benders Decomposition in SCIP
155S1	Stefan Stojanovic	Zero-shot RL: what is learned?
157S1	Thibault Marette	Bounds and approximation on clustering with refinement
159S1	Vincent Molin	*Flows of cooling energy landscapes
161S1	Mika Skjelnes	Cost Partitioning in The RealWorld

Autonomous Systems

ID	AUTHOR	POSTER TITLE
163S1	Emil Wiman	Safe Lattice Planning for Motion Planning with Dynamic Obstacles
165S1	Ahmed Al Bayati	Offloading of Time-Optimal Motion Planning with Jerk Constraints
167S1	Alejandro Luque Cerpa	Learning Contextual Runtime Monitors for Safe AI-Based Autonomy
169S1	Alice Harting	Closed-Loop Neural Operator-Based Observer of Traffic Density
171S1	Andrea Da Col	On Word-of-Mouth and Private-Prior Sequential Social Learning
173S1	Arvid Fälldin	Automatically Calibrated Simulators using Bayesian Optimization and Dynamic Time Warping
175S1	Ashwani Koul	Performance Analysis of Communication Signals for Localization in Underwater Sensor Networks
177S1	Ayesha Jena	*Impact of Gaze-Based Interaction and Augmentation on Human-Robot Collaboration in Critical Tasks
179S1	David Dörner	Distributed Control of Underwater Robots
181S1	Deepthi Pathare	Tactical Decision Making for Trucks in Highway Traffic with Deep Reinforcement Learning
183S1	Dominik Frey	Enhancing Safety Assurance for ASVs by Model-Based Test Generation

185S1	Karim Khalil	DDoSimu5G: A Simulator to Model D2D Botnet DDoS Traffic Loads on 5G Components
187S1	Wei Shi	Hierarchical Adaptive Load Balancing and Handover in Mobile Networks
189S1	Erik Brorsson	Safe and Efficient Collaborative Automation Systems
191S1	Esranur Erturk	Accurate Robot-Human Handovers for Surgical Applications
193S1	Frida Norlund	Data-driven modeling for sustainable mining
195S1	George Mathai	
197S1	Gustaf Söderholm	
199S1	Han Fu	Key factors to compilation errors @ industrial and open-source embedded system CI
201S1	Jacopo Porzio	SEC-Two: Secure Estimation over Two Channels
203S1	Jing Zhang	Enhancing Hierarchical Reinforcement Learning with Symbolic Planning for Long-Horizon Tasks
205S1	Johan Siwerson	POLARNet: Power Control of Multi-Layer Repeater Networks
207S1	Judith Treffler	Radar Radiance Fields
209S1	Linus Ghatnekar Nilsson	Accurate and efficient systems for material Monitoring on conveyor belts
211S1	Marcel Büsching	*DLO-Splatting: Tracking Deformable Linear Objects Using 3D Gaussian Splatting
213S1	Martin Andersson	Is Repeater-Assisted Massive MIMO Compatible With Dynamic TDD?
215S1	Nana Wang	*Topology Identification and Control for Complex Networks
217S1	Paula Carbó Cubero	Self-Supervised Latent Feature Map Representation for Sparse Feature Matching
219S1	Sebastian Karlsson	Incremental Learning of Gaussian Process-Augmented State SpaceModels
221S1	Shaohang Han	
223S1	Sheng Liu	DEFEND: Poisoned Model Detection and Malicious Client Exclusion Mechanism for Secure Federated Learning-based Road Condition Classification
225S1	Sönke Jendral	Correction Fault Attack on CROSS under Unknown Bit Flips
227S1	Timon Homberger	Scalable and Accurate Open-Vocabulary Representations with Fused Dense and Sparse Semantics in Real-Time
229S1	Waqas Ali	HD-maps as Prior Information for Globally Consistent Mapping
231S1	Yde Sinnema	How do timing misalignments affect real-time control systems?
233S1	Zhaozhan Yao	Free-Spacing Circular Motion of Vehicles in Cyclic Pursuit

POSTER PRESENTATION SCHEDULE 2026

Poster Session #2 - January 14th 14:15-15:30

* Best Poster Award Contestant

Software

ID	AUTHOR	POSTER TITLE
2S2	André Silva	Gradient-Based Program Repair – Fixing Bugs in Continuous Program Spaces
4S2	Anton Risberg Alaküla	*Testing Query-Based Compilers
6S2	Antonio Napoli	Switchback: Observational Model Synthesis via Model Lattice Traversal and LLM Guidance
8S2	Ethan Witwer	Attacks and Defenses for Video Streaming Traffic
10S2	Kate Blomgren	Crediting as a socio-technical practice
12S2	Markus Berthilsson	
14S2	Malsha Ashani Mahawatta Dona	*BetterCheck: Towards Safeguarding VLMs for Automotive Perception Systems
16S2	Mojtaba Moazen	Granite: Granular Runtime Enforcement for GitHub Actions Permissions
20S2	Pushpa Priyanka Palesetti	Adoption of DevOps in Cyber-Physical Systems Engineering
22S2	Sabina Akbarova	SETBVE: Quality-Diversity Driven Exploration of Software Boundary Behaviors
24S2	SiKai Lu	Differential Alert Analysis On Programs
26S2	Willem Meijer	Data-aware Static Analysis for Machine Learning Code
28S2	Yi Peng	A Data Annotation Requirements Representation and Specification (DARS)
30S2	Yufei Wu	CONFUSETAINT: Exploiting Vulnerabilities to Bypass Dynamic Taint Analysis

Artificial Intelligence/Machine Learning

ID	AUTHOR	POSTER TITLE
32S2	Adhithyan Kalaivanan	ESS-Flow: Training-free guidance of flow-based models as inference in source space

34S2	Ahmad Terra	Explainable AI for Telecommunications
36S2	Ahmet Ercan Tekden	Data-Efficient Representation Learning for Grasping and Manipulation
38S2	Amanuel Sahle Gebreyesus	Conformal Prediction for Reliable VPR
40S2	Amir Mohammad Karimi-Mamaghan	*Towards a General Approach for Binder Design
42S2	Anindya Sundar Das	
44S2	Arsham Gholamzadeh Khoee	DiCoOp: Domain-Invariant Prompt Learning for Vision-Language Models
46S2	Arthur Nijdam	CuricuLLM: Designing a Personalized and Future-Proof Cybersecurity Curriculum using Fine-Tuned LLMs
48S2	Chen Ling	3D Representations for Human Emotion Inference
50S2	David Björkstrand	Unconditional Human Motion and Shape Generation via Balanced Score-Based Diffusion
52S2	Emil Sharafutdinov	Phylogenetically Informed Protein Design
54S2	Erik Aerts	AI-based detection of worsening heart failure from low-resolution telemonitoring data
56S2	Farid Musayev	Infinity Stones or how to sample large state spaces for learning policies
58S2	Filip Rydin	Beyond Simple Graphs: Neural Multi-Objective Routing on Multigraphs
60S2	Gabriele Calzolari	Reinforcement Learning Driven Multi-Robot Exploration via Explicit Communication and Density-Based Frontier Search
62S2	Genghua Dong	Detecting Attacks with Conformal Test Martingales
64S2	Hadi Mousanejad Jeddi	Improving Reliability in Quantized Graph Neural Networks with Node-Wise Entropy-driven Temperature Scaling
66S2	Hariprasath Govindarajan	
68S2	Ioannis Athanasiadis	*Model Stitching by Invariance-aware Functional Latent Alignment
70S2	James Waguespack	Monocular Human Motion Estimation
72S2	Jingyu Guo	Learning What Helps: Task-Aligned Context Selection for Vision Tasks
74S2	Johannes Hägerlind	Robust Multi-view Camera Calibration from Dense Matches.
76S2	Josef Bengtson	*3D-Consistency Refinement by Diffusion Guidance
78S2	Juliana Francis	No-Shot Text-to-Speech: Limitations of Zero-Shot TTS and its Evaluation Methods in Representing Queer and Transgender Voices
80S2	Kevin Glocker	Grow Up and Merge: Scaling Strategies for Efficient Language Adaptation
82S2	Laura Van Weesep	Uncertainty Signals from LLM Temperature Sampling
84S2	Leo Dahl	*Data-driven modelling of the GPCR-RAMP interactome
86S2	Ludvig Dillén	Sparse–View Localization via Online Neural 3D Regression

ID	AUTHOR	POSTER TITLE
88S2	Maciej Wozniak	
90S2	Malika Satayeva	Joint Data Valuation for Fine-Grained Noise Detection
92S2	Markus Fritzsche	Symmetry-Aware Transformer Training for Automated Planning
94S2	Martin Funkquist	*Goal-Conditioned Reinforcement Learning for Learning General Policies in Symbolic Domains
96S2	Mehrdad Farahani	*To Copy or Not to Copy
98S2	Natalija Glisovic	CoSiTi: Enhanching Collaborative Filtering with Community-Aware Item Similarity and Time Integration
100S2	Nithesh Chandher Karthikeyan	Evaluating Representation Conditioned Diffusion Models: A Comparative Study of Representation Encoders.
102S2	Obaidullah Zaland	One-Shot Federated Learning with Classifier-Free Diffusion Models
104S2	Oscar Stenhammar	Joint Clustering and Predicting of Quality of Service Distributions
106S2	Samuel Erickson Andersson	Personalized Federated Learning under Model Dissimilarity Constraints
108S2	Sanna Persson	Synthesizing virtual Magnetic Resonance Elastography
110S2	Sofia Andersson	*Multi-objective optimization for de novo two-state protein design
112S2	Télio Cropsal	Compressing Biology: Evaluating the Stable Diffusion VAE for Phenotypic Drug Discovery
114S2	Victor Aregbede	Generative to Discriminative Knowledge Distillation for Object Affordance
116S2	Qingwen Zhang	△Flow: An Efficient Multi-frame Scene Flow Estimation Method
118S2	Yizhou Xu	Skor-xG: SKeleton-ORiented Expected Goal Estimation in Soccer
120S2	Ziliang Xiong	

Artificial Intelligence/Math

ID	AUTHOR	POSTER TITLE
122S2	Adrian Edin	Temporal Predictive Coding for Gradient Compression in Distributed Learning
124S2	Andy Oertel	Faster Certified Symmetry Breaking Using Orders With Auxiliary Variables
126S2	Aurora Poggi	Equation-free modelling of Ca2+ dynamics
128S2	Christina Kapatsori	
130S2	David Nordlund	Secure Over-the-Air Computation Against Multiple Eavesdroppers using Correlated Artificial Noise
132S2	Emiliano Peña Ayala	Existence, comparison principle and uniqueness for fully nonlinear anisotropic equations
134S2	Erik Larsson	Regional ensemble weather forecasting from matching marginals

136S2	Georgios Vasileiou	Adaptive Incentive Design with Minimized Regret
138S2	Jakob Galley	Integrals of motion from data symmetry
140S2	Johan Malmport	Certifiably Optimal Anisotropic Rotation Averaging
142S2	Kasper Bågmark	Approximative Bayesian filter for discretely (partially) observed SDEs in up to 100 dimensions
144S2	Lukas Eveborn	Solving the Vehicle Routing Problem for HeavyDuty Electric Vehicles with Optimality Guarantees
146S2	Max Nilsson	Extending Douglas–Rachford Splitting for Convex Optimization
148S2	Noel Arteche	*Quantum Computers Cannot Automate Theorem-Proving (Unless Post-Quantum Cryptography Breaks)
150S2	Paul Häusner	*Neural incomplete factorization: learning preconditioners for the conjugate gradient method
152S2	Raghav Bongole	*Information-Theoretic Bounds for Reinforcement Learning based on Duality
154S2	Samuel Blad	*Sustained Unsupervised Exploration
156S2	Talitha Nauta	Scaled Relative Graphs of Data-Driven Systems
158S2	Viktor Vigren Näslund	
160S2	Yacoub Hendi	Learning Group Invariant Ricci-flat Metrics

Autonomous Systems

ID	AUTHOR	POSTER TITLE
194S2	Adam Miksits	Communication and Control Co-Design for Mobile Robots with Offloaded Perception
164S2	Alejandro Sanchez Roncero	Learned Controllers for Agile Quadrotors in Pursuit-Evasion Games
166S2	Ali Nouri	*LLM-Based Multi-Agent System to Accelerate DevSafeOps for Autonomous Driving
168S2	Amirreza Akbari	Two-dimensional Decompositions of High-dimensional Configurations for Efficient Multi-vehicle Coordination at Intelligent Intersections
170S2	Antonina Skurka	Learning Robust Markov Models for Safe Runtime Monitoring
172S2	Arvid Laveno Ling	Learning Action Conditioned Time Evolutions of Objects-level Scenes for Optimization-based Planning
174S2	Axel Andersson	LASE-AD: Learning-Augmented State Estimation for Sensor Attack Detection
176S2	David Baxter	Semantic Perception for Adaptive and Robust Autonomy
178S2	David Ohlin	*Control and Estimation on the Positive Cone
180S2	Dennis Bogatov Wilkman	
182S2	Elias Krantz	Distributed Control of Autonomous Space Vehicles

184S2	Abhishek Kashyap	Generate reliable grasp poses by performing shape completion of objects using diffusion models
186S2	Enno Breukelman	Confidentiality in Networked Control Systems
188S2	Erik Börve	*Learning-basedDistributionally RobustOptimal Control for Applications in Interactive Trajectory Planning
190S2	Finn Lukas Busch	Visual Representations for General Robot Navigation
192S2	Gabriel Arslan Waltersson	Tactile Sensing for In-Hand Slip-Aware Manipulation
196S2	Gustav Zetterqvist	Directional Sensitivity-Based DOA Estimation Using a Fourier Series Model
198S2	Hannes Marklund	
200S2	Jialong Li	Normalizing Flows are Capable Visuomotor Policy Learning Models
202S2	Joan Badia	Constrained Optimal Control for Robots with Kinematic Loops
204S2	Joris Verhagen	Robustness Metrics for Motion Planning and Control with STL Specifications
206S2	Emil Sundström	Control Offloading for UAVs
208S2	Malte Larsson	Multilateration and room geometry estimation
210S2	Marko Guberina	Hand-arm coordination control for robot interaction tasks
212S2	Mika Persson	
214S2	Palatip Jopanya	Utilizing 5G NR SSB Blocks for Passive Detection and Localization of Low-Altitude Drones
216S2	Rafael Ignacio Cabral Muchacho	
218S2	Sebastiano Fregnan	Bimanual Task-centric Whole-Body Compliance
220S2	Shekhar Upadhyay	Team Underwater Perception for Event Response
222S2	Shutong Jin	R900: Understanding the Cost-Effectiveness of Random Exploration from 900 Hours of Robotic Data Collection
224S2	Taxiarchis Foivos Blounas	Multi-Object Search and Relocation
226S2	Tommaso Zaccherini	Estimation and Control of Multi-agent Systems Based on Distributed Observers
228S2	Emmanuella Ametsi	Runtime Monitoring for Safety of AI/ML-Enabled Automotive Systems
230S2	Yufei Zhu	*Mapping of Spatiotemporal Motion Patterns and Application for Mobile Robots
232S2	Zheng Jia	Optimization-Based Path-Velocity Control for Time-Optimal Path Tracking under Uncertainties