S9	2025 IEEE Symposium on Trustworthy, Explainable and Responsible CI (IEEE CITREx)				

18th March 2025

Session	Time	Room	#Papers	Title	Authors
short S9-A	12:00-13:00	Cosmos 1&2	6	The Explanation Necessity for Healthcare AI	Mamalakis, Michail*; de Vareilles, Héloïse ; K. Murray, Graham; Lió, Pietro; Suckling, John
				Remember Non-Specialists? How effective are XAI explanations in helping non-specialists understand an AI model's decision?	Nneke, Ngozi*; Crockett, Keeley A.; Latham, Annabel
				Layer-wise explanations for the prediction of Diabetic Retinopathy from CNNs	Azimov, Shawn; Delgado, Jordi; Romero, Enrique; Vellido, Alfredo; König, Caroline*
				Neurosymbolic Approaches in AI Design - An overview	Jayasingha Arachchige, Prashani Keshala Rodrigo*; Iancu, Bogdan; Lilius, Johan
				Gap Analysis on regulatory frameworks for AI-embedded medical devices	Balogun, Edmund*
				Local Interpretable Model-agnostic Explanations for Crime Prediction	Acampora, Giovanni; Vitiello, Autilia*
oral S9-A	15:30-16:30	Cosmos 3c	5	Can LIME Make Interactive Multiobjective Optimization Methods Explainable?	Afsar, Bekir*; Lárraga Maldonado, Giomara; Miettinen, Kaisa
long S9-A	16:30-17:30	Cosmos 1&2	5	Pool-based Active Learning with Decision Trees: Incorporate the Tree Structure to Explore and Exploit	Schöne, Marvin*; Jaster, Bjarne; Bültemeier, Julian; Kösters, Justus; Holst, Christoph-Alexander ; Kohlhase, Martin
				RO-FIGS: Efficient and Expressive Tree-Based Ensembles for Tabular Data	Matjašec, Urška*; Simidjievski, Nikola; Jamnik, Mateja
				Enhancing patient stratification and interpretability through class-contrastive and feature attribution techniques	Olowu, Sharday; Lawrence, Neil; Banerjee, Soumya*
				When Evolutionary Computation Meets Privacy	Zhao, Bowen; Chen, Wei-Neng*; LI, Xiaoguo; Liu, Ximeng; Pei, Qingqi; Zhang, Jun

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Session	Time	Room	#Papers	Title	Authors
oral S9-B	10:00-11:00	Cosmos 3c	5	AI Literacy and Governance of Explainable AI: A Cross-Jurisdictional Review of National AI Strategies	Karimov, Ayaz*; Saarela, Mirka
long S9-B	11:00-12.00	Cosmos 1&2	5	Enhancing Explainability, Robustness, and Autonomy: A Comprehensive Approach in Trustworthy AI	Ahmed, Mobyen Uddin; Begum, Shahina*; Barua, Shaibal; Masud, Abu Naser; Di Flumeri, Gianluca; Navarin, Nicolò
				Explainability of Deep Neural Networks using the Constructive Axiom of Choice Model	Eckoubili, Steephen*
				XAINT: eXplainable AI through Iterative Network Truncation	Coppari, Andrea*; Capra, Luca; Carlevaro, Cristiano
				Decomposing Deep Learning Predictions to Uncover Beta-2 Adrenergic Conformational Landscapes	Gutierrez Mondragon, Mario; König, Caroline*; Vellido, Alfredo
LBP S9	11:00-12.00	Cosmos 1&2	1	Secure Adversarial Filtering to Ensure Prompt Safety	Blackburn, Mack*; Okutan, Ahmet

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Session	Time	Room	#Papers	Title	Authors
oral S9-C	11:00-12.00	Cosmos 3d	5	Fairness and Trust in Data-Driven Decisions: Analyzing Discrepancies in Ordinal Decisions	Abel, Edward*; Siraj , Sajid
long S9-C	12:00-13:00	Cosmos 1&2	5	Improving explainability for fault diagnosis in complex chemical processes using combined regularization and linearization in neural network modeling	Silva, Pedro; Ferreira , Yan; Lima, Igor; Vakkilainen, Esa; Almeida, Gustavo*; Braga, Antônio
				Can LLMs Identify Event Causality More Accurately through Debate? A Systematic Assessment of LLMs' Factuality and Reasoning	Zhao, Yiheng; Yan, Jun*
				Impacts of Anthropogenic Noise on the House Wren's Song: An XAI Approach to Bioacoustic Insights	Silva, Larissa*; Colonna, Juan G.; Gatto, Bernardo; Protázio, Marcelo
				Algorithmic Bias Detection: A Focus on Skin Tone and Gender Fairness in Computer Vision Models	Taiwo, Peter*; Iguare, Happy
short S9-B	15:00-16:00	Cosmos 1&2	6	Improving Clustering Explainability and Automated Cluster Naming with Approximate Inverse Model Explanations and Large Language Models	Nakanishi, Takafumi*
				Ethical and Legal Implications to Data Collection in Virtual and Augmented Reality	Karimov, Ayaz*; Ismayilzada, Aytaj; Saarela, Mirka
				Towards Standardised Fair ML Development Flows	Sabuncuoglu, Alpay*; Maple, Carsten
				Trust Issues in Active Learning and Their Impact on Real-World Applications	Jaster, Bjarne*; Kohlhase, Martin
				CCF: Clustering-Guided Counterfactuals	Choi, Sujung; Dubey, Rahul*
				A Novel Graph Based Framework for Understanding of Decision Making Process in Deep Learning Models	Azam, Basim*; Sanjeewani, Pubudu; Verma, Brijesh; Rahman, Ashfaqur; Wang, Lipo
poster S9	15:00-16:00	Cosmos 1&2	2	What do clinicians need to know about AI-enabled clinical neurotechnology?	Schopp, Laura*; Starke, Georg; Ienca, Marcello
				A Meta-Agent for Guiding Collective Intelligence Collaborations	Kehler, Thomas*