ScaDS.AI DRESDEN LEIPZIG

12th International Summer School on AI and Big Data
Program Overview

[v06 - Apr 15]

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00	Registration	Registration	Registration	Registration	Registration
10:00	Opening **M Valentino** Large Language Models: Capabilities, Limitations and the Way Forward	**O Okhrin** Foundations of Neural Networks: Part1	**A Mileo** TBD **A Mileo** Understanding Neurons' Activations via Knowledge Graphs for Human-Centered Explainability	**V Derkinderen, G Marra** Deep Parameterized Logics as a Foundation for Neurosymbolic AI: Part 1	**F Ilievski** Commonsense Reasoning Foundations and State of the Art
11:00	coffee	coffee **P Hitzler** Analysis of Hidden Neuron Activations in Deep Learning Models Using Concept Induction Reasoning	coffee (possibly group picture)	coffee **G Marra, V Derkinderen** Deep Parameterized Logics as a Foundation for Neurosymbolic AI: Part 2	coffee **F Ilievski** Abstraction in AI
12:00	**V Belle** The Future Is Neuro-Symbolic:Where Has It Been, and Where Is It Going?	Connecting the Dots	Poster Session (voluntary contributions)		
13:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00	**P Hitzler** LLMs for Knowledge Graph and Ontology Engineering	**O Okhrin** Foundations of Neural Networks: Part2		**M Johansson** Conjecturing in Mathematical Reasoning: From Symbolic to Neuro-Symbolic Methods	Connecting the Dots **D Stepanova** Towards Unlocking Industrial Potential of Neuro-Symbolic AI at Bosch: Opportunities and Challenges
15:00	coffee	coffee		coffee Connecting the Dots	Closing (with coffee)
16:00	Connecting the Dots	**L Manjunath** Solving Mazes Using LLMs **M Färber, T Schreieder** Evidence-Based Text Generation with LLMs		**Y Hu, S Razniewski** LLM Knowledge Materialization **R Haase** Navigating in Latent Space and Retrieval Augmented Generation	
17:00	**M Valentino** Unifying Plausible and Formal Reasoning via LLM-Driven Neuro-Symbolic Integration		**free afternoon** (open space at venue + optional social activities will be proposed)		
18:00					
19:00	River Tour via Motorboat			City Tour	
20:00		Social Dinner			
21:00					
22:00					

Legend [duration in min] Short Course [75] | Talk Slot [60] | Hands-On [90] | Connecting the Dots = Q&A session with lecturer panel | Social | Attendee-Driven | Organizer-Driven