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# December 2023 Joint Lab Workshop Provisional Schedule

Created by Matt Christey-Reid, last modified by Peter Buneman about 3 hours ago

[The booklet of posters is here](#)[11 December 08:30 -13:00 \(UK\) 16:30-21:00 \(China\) Room G.03, Informatics Forum](#)

## Database Systems and Machine Learning

**Organizers: Nikos Ntarmos , Yang Cao and Antreas Antoniou**

Time	Topic	Speakers
08:30-08:50 (UK) 16:30-16:50(China)	Welcome Tea & Coffee	
08:50-09:00 (UK) 16:50-17:00(China)	Welcome and Introduction	Peter Buneman (UoE)
09:00-09:40(UK) 17:00-17:40(China)	The Applications , Innovations, challenges for Vector Database in the LLM Epoch	Minqi Zhou (Huawei)
09:40-10:10(UK) 17:40-18:10(China)	Database developments at Huawei ERC	Nikos Ntarmos (Huawei)
10:10-10:40(UK) 18:10-18:40(China)	Compactron: Balancing Parallelism and Offloading for Training Large Language Models	Man-Kit Sit (UoE)
10:40-11:00(UK) 18:40-19:00(China)	Coffee and cake break	
11:00-11:30(UK) 19:00-19:30(China)	A Report on Data Sharing	Yang Cao (UoE)
11:30-11:50(UK) 19:30-19:50(China)	In-Database Data Imputation	Massimo Perini (UoE)
11:50-12:10(UK) 19:50-20:10(China)	DBShaker: Smart Recompile for Adaptive Analytical Query Processing	Amir Shaikhha (UoE) and Antonio Barbalace (UoE)
12:10-12:30(UK) 20:10-20:30(China)	Efficient Python Data Science on the Shoulders of Databases	Hesam Shahrokhi (UoE)
12:30-13:00(UK) 20:30-21:00(China)	The other side of Big Data -- Variety, Velocity and Veracity	Wenfei Fan (UoE)
13:00 (UK)	Lunch (Atrium)	

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## Programming Languages / Architecture

**Organizers: Dan Ghica and Mike O'Boyle**

Time	Topic	Speakers
08:30-08:50 (UK) 16:30-16:50(China)	Welcome Tea & Coffee	
08:50-09:10 (UK) 16:50-17:10(China)	Welcome and Introduction	Dan Ghica (Huawei) and Mike O'Boyle (UoE)
09:10-09:30(UK) 17:10-17:30(China)	EPOCH: Effects for Programming On Capability Hardware	Sam Lindley and Ian Stark (UoE)
09:30-09:50(UK) 17:30-17:50(China)	Categorical foundations of syntax	James Wood (Huawei)
09:50-10:10(UK) 17:50-18:10(China)	A Tensor Algebra Compiler for Sparse Differentiation	Amir Shaikhha (UoE)
10:10-10:30(UK) 18:10-18:30(China)	Categorical foundations of e-graphs	Dan Ghica (Huawei)
10:30-11:00(UK) 18:30-19:00(China)	Coffee and cake break	

Time	Topic	Speakers
11:00-11:20(UK) 19:00-19:20(China)	Message Chains for Distributed Systems Verification	Elizabeth Polgreen (UoE)
11:20-11:40(UK) 19:20-19:40(China)	Effect handlers in C	Teo Freund (Huawei)
11:40-12:00(UK) 19:40-20:00(China)	JIT Compilation as a Service	Bjoern Franke (UoE)
12:00-12:20(UK) 19:00-19:20(China)	Contour categories and control flow analysis	Malin Altenmueller (Huawei)
12:20-12:40(UK) 20:20-20:40(China)	Modal Manual Memory Management	Anton Lorenzen (UoE)
12:40-13:00(UK) 20:40-21:00(China)	Deep Learning Frameworks: Are conversions between them trustworthy?	Ajitha Rajan (UoE)
13:00 (UK)	Lunch (Atrium)	

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### Knowledge Graphs / Natural Language Processing

Organizers: Jeff Pan, Bonnie Webber, Mark Steedman, Damien Graux and Antreas Antoniou

Time	Topic	Speakers
08:30-08:50 (UK) 16:30-16:50(China)	Welcome Tea & Coffee	
08:50-09:00 (UK) 16:50-17:00(China)	Welcome and Introduction	Mark Steedman (UoE) and Jeff Pan (Huawei)
09:00-09:30(UK) 17:00-17:30(China)	Smoothing Entailment Graphs with Language Models	Nick McKenna (UoE)
09:30-10:00(UK) 17:30-18:00(China)	Conditional Generation with a Question-Answering Blueprint	Mirella Lapata (UoE)
10:00-10:30(UK) 18:00-18:30(China)	Information Retrieval in the Era of LLMs	Guangyao Nie (Huawei)
10:30-11:00(UK) 18:30-19:00(China)	Coffee and cake break	
11:00-11:20(UK) 19:00-19:20(China)	Adapting Neural Link Predictors for Data-Efficient Complex Query Answering	Pasquale Minervini (UoE)
11:20-11:40(UK) 19:20-19:40(China)	Building for the LLM Era: Constructing Scalable, Rich, and License-Compliant Multimodal Datasets	Antreas Antoniou (UoE)
11:40-12:00(UK) 19:40-20:00(China)	E-commerce Knowledge Graph Construction: Identifying Key Attributes of Product Categories	Btissam Er Rahmadi (Huawei)
12:00-12:20(UK) 20:00-20:20(China)	Retrieval Augmented Generation In the Era of LLMs	Wenyu Huang (UoE)
12:20-12:40(UK) 20:20-20:40 (China)	Fast and Efficient Cross-lingual Text-to-SQL Semantic Parsing	Pavlos Vougiouklis (Huawei)
12:40-13:00(UK) 20:40-21:00(China)	Compositional Generalization without Trees using Multiset Tagging and Latent Permutations	Matthias Lindermann (UoE)

No labels

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