

Day 1	
Time	Event
8:00 - 9:15am	Registration
9:15 - 9:30am	Opening Remarks
9:30 - 10:00am	Keynote 1: Stavros Papadopoulos (TileDB)
Session 1: "Modern Data Processing"	
10:00 - 10:10am	<i>Amazon Redshift Re-invented</i> Armenatzoglou, Nikos*; Pandis, Ippokratis; Polychroniou, Orestis; Parchas, Panos Click to display the abstract
10:10 - 10:20am	<i>QPSseeker: An Efficient Neural Planner combining both data and queries through Variational Inference</i> Tsapelas, Christos*; Koutrika, Georgia Click to display the abstract
10:20 - 10:30am	<i>Dalton: Learned Partitioning for Distributed Data Streams</i> Zapridou, Eleni*; Mytilinis, Ioannis; Ailamaki, Anastasia Click to display the abstract
10:30 - 10:40am	<i>LlamaTune: Sample-Efficient DBMS Configuration Tuning</i> Kanellis, Konstantinos* Click to display the abstract
10:40 - 10:50am	<i>Pre-trained Embeddings for Entity Resolution: An Experimental Analysis</i> Zeakis, Alexandros*; Papodakis, George; Skoutas, Dimitrios; Koubarakis, Manolis Click to display the abstract
10:50 - 11:00am	<i>YeSQL: "you extend SQL" with rich and highly performant user-defined functions in relational databases</i> Foufoulas, Yannis*; Simitis, Alkis; Stamatogiannakis, Lefteris; Ioannidis, Yannis Click to display the abstract
11:00 - 11:10am	<i>Joint Source and Schema Evolution: Insights from a Study of 195 FOSS Projects</i> Vassiliadis, Panos* Click to display the abstract
11:10 - 11:20am	<i>Adaptive Real-time Virtualization of Legacy ETL Pipelines in Cloud Data Warehouses</i> Tsikoudis, Nikos* Click to display the abstract
11:30 - 12:00pm	Break
Session 2: "Time-Series, Mobile, Scientific Databases"	
12:00 - 12:10pm	<i>TIMBER: On supporting data pipelines in Mobile Cloud Environments</i> Tomaras, Dimitris; Tsenos, Michalis; Kalogeraki, Vana; Gunopulos, Dimitrios
12:10 - 12:20pm	<i>Mobility Data Science: Perspectives and Challenges</i> Mokbel, Mohamed; Sakr, Mahmoud A; Xiong, Li; Züfle, Andreas; Theodoridis, Yannis* Click to display the abstract
12:20 - 12:30pm	<i>SIESTA: A Scalable Infrastructure of Sequential Pattern Analysis</i> Mavroudopoulos, Ioannis*; Gounaris, Anastasios Click to display the abstract
12:30 - 12:40pm	<i>Exploring unsupervised anomaly detection for vehicle predictive maintenance with partial information</i> Giannoulidis, Apostolos*; Gounaris, Anastasios; Constantinou, Ioannis Click to display the abstract
12:40 - 12:50pm	<i>On Vessel Location Forecasting and the Effect of Federated Learning</i> Tritsarolis, Andreas*; Pelekis, Nikos; Bereta, Konstantina; Zissis, Dimitrios; Theodoridis, Yannis Click to display the abstract
12:50 - 1:00pm	<i>Collision Risk Assessment and Forecasting on Maritime Data (Industrial Paper)</i> Tritsarolis, Andreas*; Murray, Brian; Pelekis, Nikos; Theodoridis, Yannis Click to display the abstract
1:00 - 1:10pm	<i>Visualization-aware Time Series Min-Max Caching with Error Bound Guarantees</i> Maroulis , Stavros *; Stamatopoulos, Vassilis; Papastefanatos, George; Terrovitis, Manolis Click to display the abstract
1:10 - 1:20pm	<i>Chimp: Efficient Lossless Floating Point Compression for Time Series Databases</i> Liakos, Panagiotis; Papakonstantinopoulou, Kati; Kotidis, Yannis
1:30 - 3:00pm	Lunch break
3:00 - 3:30pm	Industry Session
3:30 - 4:00pm	Keynote 2: Verena Kantere
4:00-4:30pm	Break
4:30-5:30pm	Panel AI & DB in Industry
5:45-7:00pm	Posters
Move to dinner	

Day 2	
Time	Event
9:30 - 10:00am	keynote 3: Data Management innovation at Amazon Web Services Ippokratis Pandis – Vice President/Distinguished Engineer, Amazon Web Services
Session 1: "Query Processing & Execution"	
10:00 - 10:10am	<i>Predicate Transfer: Efficient Pre-Filtering on Multi-Join Queries</i> Koutris, Paraschos*; Yu, Xiongyao; Zhao, Hongdong; Yang, Yifei Click to display the abstract
10:10 - 10:20am	<i>Foreign Keys Open the Door for Faster Incremental View Maintenance</i> Svingos, Christoforos* Click to display the abstract
10:20 - 10:30am	<i>SH2O: Efficient Data Access for Work-Sharing Databases</i> Mytilinis, Ioannis*; Sioulas, Panagiotis; Ailamaki, Anastasia Click to display the abstract
10:30 - 10:40am	<i>Efficient Computation of Quantiles over Joins</i> Tziavelis, Nikolaos* Click to display the abstract
10:40 - 10:50am	<i>Raster Intervals: An Approximation Technique for Polygon Intersection Joins</i> Georgiadis, Thonasis*; Mamoulis, Nikos Click to display the abstract
10:50 - 11:00am	<i>In-Situ Cross-Database Query Processing</i> Govrilidis, Haralampos*; Beedkar, Kaustubh; Quioné Ruiz, Jorge Arnulfo; Markl, Volker Click to display the abstract
11:00 - 11:10am	<i>P Cost-based Data Prefetching and Scheduling in Big Data Platforms over Tiered Storage Systems</i> Herodotou, Herodotos *; Kokouli, Elena Click to display the abstract
11:10 - 11:20am	<i>DIAERESIS: RDF Data Partitioning and Query Processing on SPARK</i> Troullinou, Georgia; Agothangelos, Giannis; Kondylakis, Haridimos*; Stefanidis, Kostas; Plexousakis, Dimitris Click to display the abstract
11:30 - 12:00pm	Break
Session 2: "Indexing & Similarity Search" Chair: Chair	
12:00 - 12:10pm	<i>LIT: Lightning-fast In-memory Temporal Indexing</i> George Christodoulou (TU Delft); Panagiotis Bours (Johannes Gutenberg University Mainz); Nikos Mamoulis (University of Ioannina)* Click to display the abstract
12:10 - 12:20pm	<i>Efficient Semantic Similarity Search over Spatio-textual Data</i> George S. Theodoropoulos (University of Piraeus); Kjetil Nørnåv (Norwegian University of Science and Technology); Christos Doukeridis (University of Piraeus)* Click to display the abstract
12:20 - 12:30pm	<i>Ένα Πλαίσιο Διαχείρισης Δεδομένων για Συνεχή kNN Κατάταξη Φορτιστών Ηλεκτρικών Οχημάτων με Εκτιμώμενα Στοιχεία</i> Soteris Constantinou (University of Cyprus)*; Constantinos Costa (Rinnoco Ltd); Andreas Konstantinidis (Frederick University); Mohamed Mokbel (University of Minnesota - Twin Cities); Demetrios Zeinalipour-Yazti (University of Cyprus) Click to display the abstract
12:30 - 12:40pm	<i>OmniSketch: Efficient Multi-Dimensional High-Velocity Stream Analytics with Arbitrary Predicates</i> Wieger R. Punter (TU Eindhoven); Odysseas Papapetrou (TU Eindhoven)*; Minos Garofalakis (ATHENA Research Center) Click to display the abstract
12:40 - 12:50pm	<i>Dandelion Hashtable: Beyond Billion In-memory Requests per Second on a Commodity Server</i> Antonios Katsarakis (Huawei Research)*; Vasilis Gavrielatos (Huawei); Nikos Ntarmos (Edinburgh Research Center, Central Software Institute, Huawei) Click to display the abstract
12:50 - 1:00pm	<i>Proportionality on Spatial Data with Context</i> Fokos, George; Kolamatiannos, Georgios;
1:15-3:00pm	Lunch break & Mentoring Event
3:00 - 4:30pm	Community Engagement
4:30 - 5:00pm	Break
5:00 - 6:30pm	Panel AI in Academia / Education-Research-System Design
6:30pm	Closing remarks