

Day 1 (July 1st, 2024)

Time	Event
8:00 - 9:15am	Registration
9:15 - 9:30am	Opening Remarks
9:30 - 10:00am	<b>Keynote 1:</b> Stavros Papadopoulos (TileDB)
Session 1: "Modern Data Processing" Chair: Zoi Kaoudi	
10:00 - 10:10am	<i>Amazon Redshift Re-invented</i> Armenatzoglou, Nikos*; Pandis, Ippokratis; Polychroniou, Orestis; Parchas, Panos <a href="#">Click to display the abstract</a>
10:10 - 10:20am	<i>QPSeeker: An Efficient Neural Planner combining both data and queries through Variational Inference</i> Tsopelas, Christos*; Koutrika, Georgia <a href="#">Click to display the abstract</a>
10:20 - 10:30am	<i>Dalton: Learned Partitioning for Distributed Data Streams</i> Zapridou, Eleni*; Mytilinis, Ioannis; Ailamaki, Anastasia <a href="#">Click to display the abstract</a>
10:30 - 10:40am	<i>LlamaTune: Sample-Efficient DBMS Configuration Tuning</i> Konellis, Konstantinos* <a href="#">Click to display the abstract</a>
10:40 - 10:50am	<i>Pre-trained Embeddings for Entity Resolution: An Experimental Analysis</i> Zeakis, Alexandros*; Papadakis, George; Skoutas, Dimitrios; Koubarakis, Manolis <a href="#">Click to display the abstract</a>
10:50 - 11:00am	<i>YeSQL: "you extend SQL" with rich and highly performant user-defined functions in relational databases</i> Foufoulas, Yannis*; Simitsis, Alkis; Stamatogiannakis, Lefteris; Ioannidis, Yannis <a href="#">Click to display the abstract</a>
11:00 - 11:10am	<i>Joint Source and Schema Evolution: Insights from a Study of 195 FOSS Projects</i> Vassiliadis, Panos* <a href="#">Click to display the abstract</a>
11:10 - 11:20am	<i>Adaptive Real-time Virtualization of Legacy ETL Pipelines in Cloud Data Warehouses</i> Tsikoudis, Nikos* <a href="#">Click to display the abstract</a>
11:30 - 12:00pm	Break
Session 2: "Time-Series, Mobile, Scientific Databases" Chair: Herodotos Herodotou	
12:00 - 12:10pm	<i>TIMBER: On supporting data pipelines in Mobile Cloud Environments</i> Tomaras, Dimitris; Tsenos, Michalis; Kolageraki, Vana; Gunopulos, Dimitrios <a href="#">Click to display the abstract</a>
12:10 - 12:20pm	<i>Mobility Data Science: Perspectives and Challenges</i> Mokbel, Mohamed; Sakr, Mahmoud A; Xiong, Li; Züfle, Andreas; Theodoridis, Yannis* <a href="#">Click to display the abstract</a>
12:20 - 12:30pm	<i>SIESTA: A Scalable Infrastructure of Sequential Pattern Analysis</i> Mavroudpoulos, Ioannis*; Gounaris, Anastasios <a href="#">Click to display the abstract</a>
12:30 - 12:40pm	<i>Exploring unsupervised anomaly detection for vehicle predictive maintenance with partial information</i> Giannoulidis, Apostolos*; Gounaris, Anastasios; Constantinou, Ioannis <a href="#">Click to display the abstract</a>
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 <a href="#">Click to display the abstract</a>
12:50 - 1:00pm	<i>Collision Risk Assessment and Forecasting on Maritime Data (Industrial Paper)</i> Tritsarolis, Andreas*; Murray, Brian; Pelekis, Nikos; Theodoridis, Yannis <a href="#">Click to display the abstract</a>
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 <a href="#">Click to display the abstract</a>
1:10 - 1:20pm	<i>Chimp: Efficient Lossless Floating Point Compression for Time Series Databases</i> Liakos, Panagiotis; Papakonstantinopoulou, Katia; Kotidis, Yannis <a href="#">Click to display the abstract</a>
1:30 - 3:00pm	Lunch break
3:00 - 3:30pm	<b>Keynote 2: Robust Query Optimization in the Era of Machine Learning,</b> Verena Kantere (Univeristy of Ottawa) <a href="#">Click to display the abstract and bio</a>
Industry Session	
3:30 - 3:45pm	Industry Session 1: (TBD)
3:45 - 4:00pm	Industry Session 2: <i>Snowflake Engineering in Berlin</i> , Kostas Kloudas, Kostas Zoumpationas (Snowflake) <a href="#">Click to display the abstract and bio</a>
4:00-4:30pm	Break
4:30-5:30pm	Panel AI & DB in Industry
5:45-7:00pm	Posters
Move to dinner	

Day 2 (July 2nd, 2024)

Time	Event
9:30 - 10:00am	<b>Keynote 3: Data Management innovation at Amazon Web Services,</b> Ippokratis Pandis (Amazon Web Services) <a href="#">Click to display the abstract and bio</a>
Session 3: "Query Processing & Execution" Chair: Katerina Doka	
10:00 - 10:10am	<i>Predicate Transfer: Efficient Pre-Filtering on Multi-Join Queries</i> Koutris, Paraschos*; Yu, Xiangyao; Zhao, Hangdong; Yang, Yifei <a href="#">Click to display the abstract</a>
10:10 - 10:20am	<i>Foreign Keys Open the Door for Faster Incremental View Maintenance</i> Svingos, Christoforos* <a href="#">Click to display the abstract</a>
10:20 - 10:30am	<i>SH2O: Efficient Data Access for Work-Sharing Databases</i> Sioulas, Panagiotis*; Mytilinis, Ioannis; Ailamaki, Anastasia <a href="#">Click to display the abstract</a>
10:30 - 10:40am	<i>Efficient Computation of Quantiles over Joins</i> Tziavelis, Nikolaos* <a href="#">Click to display the abstract</a>
10:40 - 10:50am	<i>Raster Intervals: An Approximation Technique for Polygon Intersection Joins</i> Georgiadis, Thanasis*; Mamoulis, Nikos <a href="#">Click to display the abstract</a>
10:50 - 11:00am	<i>In-Situ Cross-Database Query Processing</i> Gavrilidis, Haralampos*; Beedkar, Kaustubh; Quiané Ruiz, Jorge Arnulfo; Markl, Volker <a href="#">Click to display the abstract</a>
11:00 - 11:10am	<i>Cost-based Data Prefetching and Scheduling in Big Data Platforms over Tiered Storage Systems</i> Herodotou, Herodotos *; Kakoulli, Elena <a href="#">Click to display the abstract</a>
11:10 - 11:20am	<i>DIAERESIS: RDF Data Partitioning and Query Processing on SPARK</i> Troulinou, Georgia; Agathangelos, Gianni; Kondylakis, Haridimos*; Stefanidis, Kostas; Plexousakis, Dimitris <a href="#">Click to display the abstract</a>
11:30 - 12:00pm	Break
Session 4: "Indexing & Similarity Search" Chair: Dimitris Skoutas	
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)* <a href="#">Click to display the abstract</a>
12:10 - 12:20pm	<i>Efficient Semantic Similarity Search over Spatio-textual Data</i> George S. Theodoropoulos (University of Piraeus); Kjetil Nørnvåg (Norwegian University of Science and Technology); Christos Doulkeridis (University of Pireaus)* <a href="#">Click to display the abstract</a>
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) <a href="#">Click to display the abstract</a>
12:30 - 12:40pm	<i>OmniSketch: Efficient Multi-Dimensional High-Velocity Stream Analytics with Arbitrary Predicates</i> Wieger R. Punter (TU Eindhoven); Odysseas Papopetrou (TU Eindhoven)*; Minos Garofolakis (ATHENA Research Center) <a href="#">Click to display the abstract</a>
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) <a href="#">Click to display the abstract</a>
12:50 - 1:00pm	<i>Proportionality on Spatial Data with Context</i> Fakas, George; Kalamatianos, Georgios; <a href="#">Click to display the abstract</a>
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