

Thursday, July 24

8:00-8:45 Registration

8:45-9:00 Opening

9:00-10:00 Tutorial

Christos Doulkeridis (University of Piraeus), Processing Joins over Big Data in MapReduce [[P](#)
[DF](#)
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10:00-10:30 Coffee break

10:30-12:30 Session 1: Big Data

Chair: Christos Doulkeridis (University of Piraeus)

Jeff Lefevre, Jagan Sankaranarayanan, Hakan Hacigumus, Junichi Tatemura, Neoklis Polyzotis and Michael Carey, MISO: Souping up Big Data Query Processing with a Multistore System

Vasilis Efthymiou, Kostas Stefanidis and Vassilis Christophides, Συσταδοποίηση Οντοτήτων Δεδομένων στον Παγκόσμιο Ιστό Χρησιμοποιώντας Σύμπλεγμα Υπολογιστών

Danica Porobic, Erietta Liarou, Pinar Tozun and Anastasia Ailamaki, ATraPos: Adaptive Transaction Processing on Hardware Islands [[PDF](#)]

Herald Kllapi, Dimitris Achlioptas and Yannis Ioannidis, Time is Money but How Much? Optimal Tradeoffs in Dataflow Processing on the Cloud

Herald Kllapi, Lefteris Stamatogiannakis, Manolis Tsangaris and Yannis Ioannidis, TRIREME: Sailing through Flows of Big Data

Stratos Idreos and Erietta Liarou, dbTouch: Analytics at your Fingertips [[PDF](#)]

12:30-14:00 Light Lunch Break

14:00-15:40 Session 2: Preference-based and Data Analysis Queries

Chair: Magdalini Eirinaki (San Jose State University)

Nicholas L. Farnan, Adam J. Lee, Panos K. Chrysanthis and Ting Yu, PAQO: Preference-Aware Query Optimization for Decentralized Database Systems

Odysseas Papapetrou and Minos Garofalakis, Continuous Fragmented Skylines over Distributed Streams [[PDF](#)]

Akrivi Vlachou, Christos Doulkeridis, Kjetil Nørnvåg and Yannis Kotidis, Branch-and-Bound Algorithm for Reverse Top-k Queries [[PDF](#)]

Anastasios Arvanitis, Antonios Deligiannakis and Yannis Vassiliou, Efficient Influence-Based Processing of Market Research Queries [[PDF](#)]

Max Zimmermann, Eirini Ntoutsis and Myra Spiliopoulou, Discovering and Monitoring Product Features and the Opinions on them with OPINSTREAM [[PDF](#)]

15:40-16:10 Coffee Break

16:10-17:50 Session 3: Graphs and RDF data

Chair: George Papastefanatos (Athena RC)

George Garbis, Kostis Kyzirakos and Manolis Koubarakis, Geographica: A Benchmark for Geospatial RDF Stores

Nikolaos Papailiou, Dimitrios Tsoumakos, Panagiotis Karras and Nectarios Koziris, Προσαρμοστική, βασισμένη στα εκτελούμενα ερωτήματα κρυφή μνήμη για SPARQL υπογράφους

Danai Koutra, U Kang, Jilles Vreeken and Christos Faloutsos, VoG: Summarizing and Understanding Large Graphs [[PDF](#)]

Panos Parchas, Francesco Gullo, Dimitris Papadias and Francesco Bonchi, The Pursuit of a Good Possible World: Extracting Representative Instances of Uncertain Graphs [[PDF](#)]

Konstantina Lazaridou, Konstantinos Semertzidis, Evaggelia Pitoura and Panayiotis Tsaparas, Προσδιορισμός συγκλινόντων ζευγών κόμβων σε χρονικά μεταβαλλόμενα κοινωνικά δίκτυα

Friday, July 25

9:00-10:20 Session 4: Data Cleaning, Exploration and Analysis

Chair: Antonis Deligiannakis (Technical University of Crete)

George Papadakis, Georgia Koutrika, Themis Palpanas and Wolfgang Nejdl, Meta-Blocking: Taking Entity Resolution to the Next Level [[PDF](#)]

Magdalini Eirinaki, Suju Abraham, Neoklis Polyzotis and Naushin Shaikh, QueRIE: Collaborative Database Exploration [[PDF](#)]

Katharina Rausch, Eirini Ntoutsi, Kostas Stefanidis and Hans-Peter Kriegel, Αξιοποιώντας Τεχνικές Συσταδοποίησης με βάση Υποχώρους σε Συστήματα Συστάσεων

Foteini Alvanaki and Sebastian Michel, Tracking Set Correlations at Large Scale

10:20-10:50 Coffee Break

10:50-12:30 Session 5: Database Architectures and Join Queries

Chair: Dimitris Tsoumakos (Ionian University)

Sadegh Nobari, Farhan Tauheed, Thomas Heinis, Panagiotis Karras, Stephane Bressan and Anastasia Ailamaki, TOUCH: In-Memory Spatial Join by Hierarchical Data-Oriented Partitioning

Nikos Ntarmos, Ioannis Patlakas and Peter Triantafillou, Rank Join Queries in NoSQL Databases [[PDF](#)]

Ioannis Alagiannis, Stratos Idreos and Anastasia Ailamaki, H2O: A Hands-free Adaptive Store [[PDF](#)]

Herald Killapi, Boulos Harb and Cong Yu, Near Neighbor Join

Panagiotis Bouros, Shen Ge and Nikos Mamoulis, Spatio-Textual Similarity Joins [[PDF](#)]

12:30-14:00 Light Lunch Break

14:00-15:20 Session 6: Data Modeling and Novel Queries

Chair: Panagiotis Bouros (HU-Berlin)

Petros Manousis, Panos Vassiliadis and George Papastefanatos, Automating the Adaptation of Evolving Data-Intensive Ecosystems

Katerina El Raheb and Yannis Ioannidis, Επίπεδα Μοντελοποίησης για Ψηφιακές Βιβλιοθήκες Χορού [[PDF](#)]

Roxana Gheorghiu, Alexandros Labrinidis and Panos Chrysanthis, UPPG: Ένα Ολιστικό Μοντέλο Προτιμήσεων για Βάσεις Δεδομένων

Dimitris Sacharidis and Antonios Deligiannakis, Ερωτήματα Μέγιστης Έλξης, Ελάχιστης Απώθησης

15:20-15:50 Coffee Break

15:50-16:50 Session 7: Data Privacy and Query Authentication

Chair: Dimitris Sacharidis (Athena RC)

Manolis Terrovitis, John Liagouris, Nikos Mamoulis and Spiros Skiadopoulos, Privacy Preservation by Disassociation [[PDF](#)]

Katerina Doka, Mingqiang Xue, Panagiotis Karras and Dimitrios Tsoumakos, κ-Ανωνυμοποίηση υπό Γενίκευση Ελευθέρως Μορφής

Stavros Papadopoulos, Graham Cormode, Antonios Deligiannakis and Minos Garofalakis, Lightweight Authentication of Linear Algebraic Queries on Data Streams [[PDF](#)]

17:00-18:00 Panel: ``Big Data from a DB researcher's point of view: hype or opportunity?''

Coordinator: Nikos Mamoulis (University of Hong Kong)

Panel Members: Minos Garofalakis (Technical University of Crete) [[PDF](#)], Panagiotis Karras (Skoltech) [[PDF](#)], Alexandros Labrinidis (University of Pittsburgh)

[[PDF](#)]

, Neoklis Polyzotis (UC Santa Cruz), Manolis Terrovitis (Athena RC)

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18:00 Conference Closing

The official dinner will take place in Restaurant [Pasaji](#) , at the end of the second day, 350 meters from the venue.

[Pasaji](#) , [City Link](#) , [Stoa Spiromiliou, Syntagma square, Athens.](#)