

Monday June 25

Time	Session Contents	Session Title
9:00-10:30	<i>Navigating Oceans of Data</i> (David Maier)	Keynote 1 Chair: Anastasia Ailamaki
10:30-10:45	Coffee	
10:45-12:30	<ul style="list-style-type: none"> • <i>Regular Path Queries on Large Graphs (long paper)</i> Andre Koschmieder (Humboldt-Unitversität Berlin), Ulf Leser (Humboldt-Unitversität Berlin) • <i>Sampling Connected Induced Subgraphs Uniformly at Random (long paper)</i> Xuesong Lu(NUS), Stephane Bressan (NUS) • <i>Discovery of Top-k Dense Subgraphs in Dynamic Graph Collections (long paper)</i> Elena Valari (Aristotle Univesrity), Maria Kontaki (Aristotle University), Apostolos Papadopoulos (Aristotle University of Thessaloniki, Department of Informatics) • <i>On the Efficiency of Estimating Penetrating Rank on Large Graphs (long paper)</i> Weiren Yu (UNSW) • <i>Towards Effective Join Processing Over Large RDF Graph Using MapReduce (short paper)</i> Xiaofei Zhang (HKUST), Lei Chen (HKUST), Min Wang (HPLC) 	Research 1: Graph Processing Chair: Judith Bayard Cushing
12:30-13:30	Lunch	
13:30-15:00	<ul style="list-style-type: none"> • <i>Partitioning and Multi-Core Parallelization of Multi-Equation Forecast Models (long paper)</i> Lars Dannecker (SAP Research), Matthias Böhm (Technische Universität Dresden), Wolfgang Lehner (Technische Universität Dresden), Gregor Hackenbroich (SAP Research) • <i>Integrating GPU-Accelerated Sequence Alignment and SNP Detection for Genome Resequencing Analysis (long paper)</i> Mian Lu (HKUST), Yuwei Tan (HKUST), Jiuxin Zhao (HKUST), Ge Bai (HKUST), Qiong Luo (HKUST) • <i>Discovering Representative Skyline Points over Distributed Data (long paper)</i> Akrivi Vlachou (NTNU), Christos Doulkeridis (University of Piraeus, Greece), Maria Halkidi (University of Piraeus, Greece) • <i>SkyQuery: An Implementation of a Parallel Probabilistic Join Engine for Cross-Identification of Multiple Astronomical Databases (short paper)</i> Laszlo Dobos*, Eotvos University / JHU Tamas Budavari (The Johns Hopkins University), Nolan Li (The Johns Hopkins University), Alexander Szalay (The Johns Hopkins University), István Csabai (Eötvös Loránd University) • <i>Efficient Filtering in Micro-blogging Systems: We Won't Get Flooded Again (short paper)</i> Ryadh Dahimene (CNAM), Cedric Du Mouza (CNAM), Michel Scholl (CNAM) 	Research 2: Parallel and Distributed Data Management Chair: Shawn Bowers

15:00-16:00	<ul style="list-style-type: none"> • <i>AIMS: A Tool for View-Based Analysis of Streams of Flight Data (35)</i> Gereon Schueller (Fraunhofer FKIE), Roman Saul (Fraunhofer FKIE), Andreas Behrend (University of Bonn) • <i>TARCLOUD: A Cloud-based platform to support miRNA target prediction (37)</i> Thanasis Vergoulis (NTUA & IMIS), Michail Alexakis (IMIS, "Athena" RC), Theodore Dalamagas (IMIS "Athena" RC), Manolis Maragkakis (University of Pennsylvania), Artemis Hatzigeorgiou (BSRC "Alexander Fleming" Greece), Timos Sellis (NTUA & IMIS "Athena" RC) • <i>SALSA: A Software System for Data Management in Field Spectrometry (97)</i> Baljeet Malhotra (SAP Research, Singapore), John Gamon (University Of Alberta, Canada), Stephane Bressan (NUS) • <i>Incremental DNA Sequence Analysis in the Cloud (98)</i> Romeo Kienzler (IBM Software Group), Remy Bruggmann (University of Bern), Anand Ranganathan (IBM), Nesime Tatbul (ETH Zurich) • <i>AITION: A Scalable Platform for Interactive Data Mining (100)</i> Harry Dimitropoulos (University of Athens), Herald Kllapi (University of Athens), Omiros Metaxas (University of Athens), Nikolas Oikonomidis (University of Athens), Eva Sitaridi (University of Athens), Manolis Tsangaris (University of Athens), Yannis Ioannidis (University of Athens) 	Coffee/ Posters/ Demos
16:00-17:45	<ul style="list-style-type: none"> • <i>Probabilistic Range Monitoring of Streaming Uncertain Positions in GeoSocial Networks (long paper)</i> Kostas Patroumpas (National Technical University of Athens), Marios Papamichalis (National Technical University of Athens), Timos Sellis (NTUA & IMIS "Athena" RC) • <i>Probabilistic Frequent Pattern Growth for Itemset Mining in Uncertain Databases (long paper)</i> Andreas Züfle (LMU München), Matthias Renz (LMU München), Thomas Bernecker (LMU München), Hans-Peter Kriegel (Ludwig-Maximilians-Universitaet Muenchen), Florian Verhein • <i>Evaluating Trajectory Queries Over Imprecise Location Data (long paper)</i> Xike Xie (HKU), Reynold Cheng (HKU), Man Lung Yiu (HKPOLYU) • <i>Efficient range queries over uncertain strings (long paper)</i> Dongbo Dai (Shanghai University), Jiang Xie (Shanghai University), huiran Zhang (Shanghai University), JIAQI DONG (Fudan University) • <i>Continuous Probabilistic Sum Queries in Wireless Sensor Networks (short paper)</i> Nina Hubig (LMU München), Andreas Züfle (LMU München), Mario Nascimento (University of Alberta), Tobias Emrich (LMU München), Hans-Peter Kriegel (Ludwig-Maximilians-Universitaet Muenchen), Matthias Renz (LMU München) 	Research 3: Uncertainty/ Imprecision/ Probabilistic Session Chair: Johann Gamper
18	Conference Reception	

Tuesday June 26

Time	Session Contents	Session Title
9:00-10:30	Data Infrastructures and Data Management Research: Close Relatives or Total Strangers? Moderator: Yannis Ioannidis, University of Athens	Panel
10:30-10:45	Coffee	
10:45-12:30	<ul style="list-style-type: none"> • <i>Finding the largest empty rectangle containing only a query point in Large Multidimensional Databases (long paper)</i> Gilberto Gutiérrez (Universidad del Bío-Bío), Jose Parama (Universidad de A Coruña) • <i>Functional Feature Extraction and Chemical Retrieval (long paper)</i> PENG TANG (NTU), SIU CHEUNG HUI (NTU), GAO CONG (NTU) • <i>Substructure Clustering: A Novel Mining Paradigm for Arbitrary Data Types (long paper)</i> Stephan Günemann (RWTH Aachen University), Brigitte Boden (RWTH Aachen University), Thomas Seidl (RWTH Aachen University) • <i>Scalable Computation of Isochrones with Network Expiration (long paper)</i> Johann Gamper (Free University of Bozen-Bolzano), Michael Böhlen (University of Zurich), Markus Innerebner (Free University Bozen) • <i>Sensitivity of Self-Tuning Histograms: Query Order Affecting Accuracy and Robustness (short paper)</i> Andranik Khachatryan (KIT), Emmanuel Müller (KIT), Christian Stier (KIT), Klemens Boehm (KIT) 	<p>Research 4: Spatial and High-Dimensional Data</p> <p>Chair: Arie Shoshani</p>
12:30-13:30	Lunch	
13:30-15:00	<ul style="list-style-type: none"> • <i>Database Support for Exploring Scientific-Workflow Provenance Graphs (long paper)</i> Shawn Bowers (Gonzaga University), Manish Anand (Microsoft Coporation) Bertram Ludaescher (UC Davis) • <i>(Re)Use in Public Scientific Workflow Repositories (long paper)</i> Johannes Starlinger (Humboldt-Universität zu Berlin), Sarah Cohen-Boulakia (Université Paris-Sud), Ulf Leser (Humboldt-Universitaet zu Berlin) • <i>Aggregating and Disaggregating Flexibility Objects (long paper)</i> Laurynas Siksnys (AAU), Mohamed Khalefa (AAU), Torben Bach Pedersen (AAU) • <i>Fine-grained Provenance Inference for a Large Processing Chain with Non-materialized Intermediate Views (short paper)</i> Mohammad Rezwanaul Huq (University of Twente), Peter Apers (University of Twente), Andreas Wombacher (University of Twente) • <i>Automatic Conflict Resolution in a CDSS (short paper)</i> Fayez Khazalah (Wayne State University), Zaki Malik (Wayne State University), Brahim Medjahed (University of Michigan – Dearborn) 	<p>Research 5: Provenance and Workflows</p> <p>Chair: Alexandros Labrinidis</p>
15:00-16:00	Coffee/Posters/Demos	

16:00-17:45	<ul style="list-style-type: none"> • <i>Tracking Distributed Aggregates over Time-based Sliding Windows (long paper)</i> Graham Cormode (AT&T Labs), Ke Yi (HKUST) • <i>Hinging Hyperplane Models for Multiple Predicted Variables (long paper)</i> Anca Maria Ivanescu (RWTH Aachen University), Philipp Kranen (RWTH Aachen University), Thomas Seidl (RWTH Aachen University, Germany) • <i>Optimizing Notifications of Subscription-Based Forecast Queries (long paper)</i> Ulrike Fischer (TU Dresden), Matthias Böhm (Technische Universität Dresden), Wolfgang Lehner (Technische Universität, Dresden) Torben Bach Pedersen, Aalborg University • <i>Minimizing Index Size by Reordering Rows and Columns (long paper)</i> Elaheh Pourabbas (National Research Council, Roma, Italy), Arie Shoshani (Berkeley Lab), Kesheng Wu (Berkeley Lab) • <i>Data Vaults: a Symbiosis between Database Technology and Scientific File Repositories (short paper)</i> Milena Ivanova (Centrum Wiskunde & Informatica (CWI), The Netherlands), Martin Kersten (CWI), Stefan Manegold (CWI) 	<p>Research 6: Query Processing</p> <p>Chair: Ulf Leser</p>
20	Conference dinner	

Wednesday June 27

Time	Session Contents	Session Title
9:00-10:30	Usage Data in Web Search: Benefits and Limitations (Ricardo Baeza-Yates)	Keynote 2 Chair: Val Tannen
10:30-10:45	Coffee	
10:45-12:30	<ul style="list-style-type: none"> • <i>Efficient Similarity Search in Very Large String Sets (long paper)</i> Dandy Fenz (Hasso Plattner Institute, Potsdam, Germany), Dustin Lange (Hasso Plattner Institute, Potsdam, Germany), Astrid Rheinländer (Humboldt-Universität zu Berlin), Felix Naumann (Hasso Plattner Institute, Potsdam, Germany), Ulf Leser (Humboldt-Universität zu Berlin) • <i>BT* - An Advanced Algorithm for Anytime Classification (long paper)</i> Philipp Kranen (RWTH Aachen University), Marwan Hassani (RWTH Aachen University), Thomas Seidl (RWTH Aachen University) • <i>A dataflow graph transformation language and query rewriting system for manipulating RDF ontologies (long paper)</i> Marianne Shaw (Univ. of Washington), Landon Detwiler (Univ. of Washington), James Brinkley (Univ. of Washington), Dan Suciu (Univ. of Washington) • <i>Sensitive Label Privacy Protection on Social Network Data (short paper)</i> YI SONG (NUS), Panagiotis Karras (Rutgers University), Stephane Bressan (NUS), qian xiao (NUS) • <i>Trading Privacy for Information Loss in the Blink of an Eye (short paper)</i> Alexandra Pilalidou (Univ Ioannina), Panos Vassiliadis (Univ. Ioannina) 	<p>Research 7:</p> <p>Classification and Privacy</p> <p>Chair: Alex Delis</p>
12:30-13:30	Lunch	