**Group 1 (10)**

993 X-LiSA: Cross-lingual Semantic Annotation

Lei Zhang, Achim Rettinger

Karlsruhe Institute of Technology

994 Co-designing Interaction and Database Architecture in the DICE System

Prasanth Jayachandranm Karthik Tungam Niranjan Kamatm Arnab Nandi

Ohio State University

995 STMaker--A System to Make Sense of Trajectory Data

Han Su, Kai Zheng, Kai Zeng, Jiamin Huang, Xiaofang Zhou

University of Queensland, Australia

University of California, Los Angeles, United State

997 Faster Visual Analytics through Pixel-Perfect Aggregation

Uwe Jugel, Zbigniew Jerzak, Gregor Hackenbroich, Volker Markl

SAP AG

Technische Universitat Berlin

1002 Interactive Join Query Inference with JIM

Angela Bonifati, Radu Ciucanu, Sławek Staworko

University of Lille & INRIA

1005 MESA: A Map Service to Support Fuzzy Type Ahead Search over Geo-Textual Data

Yuxin Zheng, Zhifeng Bao, Lidan Shou and Anthony K. H. Tung

National University of Singapore, Singapore

University of Tasmania, Australian

Zhejiang University, China

1007 R3: A Real-time Route Recommendation System

Henan Wang, Guoliang Li, Huiqi Hu, Shuo Chen, Bingwen Shen, Hao Wu, Wen-Syan Li

Tsinghua University, Beijing, China

1029 PDQ: Proof-driven Query Answering over Web-based Data

Michael Benedikt, Julien Leblay, and Efthymia Tsamoura

Oxford University, UK

1032 Data In, Fact Out: Automated Monitoring of Facts by FactWatcher

Naeemul Hassan, Afroza Sultana, You Wu, Gensheng Zhang, Chengkai Li, Jun Yang, Cong Yu

University of Texas at Arlington,

Duke University,

Google Research

1034 OceanST: A Distributed Analytic System for Large-scale Spatiotemporal Mobile Broadband Data

Mingxuan Yuan, Ke Deng, Jia Zeng, Yanhua Li, Bing Ni, Xiuqiang He, Fei Wang, Wenyuan Dai and Qiang Yang

**Group 2 (11)**

1036 That's All Folks! Llunatic Goes Open Source

Floris Geerts, Giansalvatore Mecca, Paolo Papotti, Donatello Santoro

University of Antwerp, Universita della Basilicata, Qatar Computing Research Institute,

Universita Roma Tre

1037 HDBTracker: Aggregate Tracking and Monitoring Over Dynamic Web Databases

Weimo Liu, Saad Bin Suhaim, S. Thirumuruganathan, Nan Zhang, Gautam Das, Ali Jaoua

George Washington University, University of Texas at Arlington, Qatar University

1041 BSMA: A Benchmark for Analytical Queries over Social Media Data

Fan Xia, Ye Li, Chengcheng Yu, Haixin Ma, Haoji Hu, Weining Qian

East China Normal Univ

1058 Graph-based Data Integration and Business Intelligence with BIIIG

Andre Petermann, Martin Junghanns, Robert Muller, Erhard Rahm

University of Leipzig

1059 SeeDB: Automatically Generating Query Visualizations

Manasi Vartak, Samuel Madden, Aditya Parameswaran, Neoklis Polyzotis

MIT, Google & UCSC

1066 QUEST: An Exploratory Approach to Robust Query Processing

Anshuman Dutt, Sumit Neelam, Jayant R. Haritsa

Indian Institute of Science, Bangalore

1068 Redoop Infrastructure for Recurring Big Data Queries

Chuan Lei, Zhongfang Zhuang, Elke A. Rundensteiner, and Mohamed Y. Eltabakh

Worcester Polytechnic Institute, Worcester, MA USA

1069 PackageBuilder: From Tuples to Packages

Matteo Brucato, Rahul Ramakrishna, Azza Abouzied, Alexandra Meliou,

University of Massachusetts, New York University

1070 Ontology Assisted Crowd Mining

Yael Amsterdamer, Susan B. Davidson, Tova Milo, Slava Novgorodov, and Amit Somech

Tel Aviv University, Tel Aviv, Israel

University of Pennsylvania, Philadelphia, PA, USA

1077 SOPS: A System for Efficient Processing of Spatial-Keyword Publish/Subscribe

Lisi Chen, Yan Cui, Gao Cong, Xin Cao

Nanyang Technological University, Singapore

1078 MLJ: Language-Independent Real-Time Search of Tweets Reported by Media Outlets and Journalists

Masumi Shirakawa, Takahiro Hara, Shojiro Nishio

Osaka University, Japan

**Group 3 (11)**

1080 Ocelot/HyPE: Optimized Data Processing on Heterogeneous Hardware

Sebastian Breß, Max Heimel, Michael Saecker, Bastian Kocher, Volker Markl, Gunter Saake

University of Magdeburg, Technische Universit¨at Berlin, Parstream GmbH

1082 MoveMine2.0: Mining Object Relationships from Movement Data

Fei Wu, Tobias Kin Hou Lei, Zhenhui Li, Jiawei Han

Pennsylvania State University, University of Illinois at Urbana-Champaign

1092 WARP: A Partitioning Framework for Aggressive Data Skipping

Liwen Sun, Sanjay Krishnan, Reynold Xin and Michael Franklin

AMPLab, UC Berkeley

1093 Interactive Outlier Exploration in Big Data Streams

Lei Cao, Qingyang Wang, and Elke A. Rundensteiner

Worcester Polytechnic Institute, Worcester, MA USA

1104 SQL/AA : Executing SQL on an Asymmetric Architecture

Quoc-Cuong To, Benjamin Nguyen, Philippe Pucheral

INRIA Rocquencourt, PRiSM Laboratory, France

1111 gMission: A General Spatial Crowdsourcing Platform

Zhao Chen, Rui Fu, Ziyuan Zhao, Zheng Liu, Leihao Xia, Lei Chen,

Peng Cheng, Caleb Chen Cao, Yongxin Tong, Chen Jason Zhang

Hong Kong University of Science & Technology, Hong Kong

1112 S-Store: A Streaming NewSQL System for Big Velocity Applications

Ugur Cetintemel, Daehyun Kim, Tim Kraska, Samuel Madden, David Maier, John Meehan,

Andrew Pavlo, Michael Stonebraker, Nesime Tatbul, Kristin Tufte, Hao Wang, Stanley Zdonik

Brown, Intel Labs, MIT, Portland State University, CMU

1117 CLEar: A Realtime Online Observatory for Bursty and Viral Events

Runquan Xie, Feida Zhu, Hui Ma, Wei Xie, Chen Lin,

Singapore Management University, Singapore

Xiamen University, Xiamen, China

1119 AZDBLab: A Laboratory Information System for a Large-scale Empirical DBMS Study

Young-Kyoon Suh. Richard T. Snodgrass, Rui Zhang

University of Arizona, Teradata

1122 Terrain-Toolkit: A Multi-Functional Tool for Terrain Data

Qi Wang, Manohar Kaul, Cheng Long, Raymond Chi-Wing Wong

Zhejiang University, Aarhus University, HKUST

1129 FORWARD: Data-Centric UIs using Declarative Templates that Efficiently Wrap Third-Party JavaScript Components

Kian Win Ong, Yannis Papakonstantinou, Erick Zamora

UC San Diego

**Group 4 (10)**

1131 SPIRE: Supporting Interactive Rule Mining and Exploration

Xika Lin, Abhishek Mukherji, Elke A. Rundensteiner and Matthew O. Ward

Worcester Polytechnic Institute

1136 An Integrated Development Environment for Faster Feature Engineering

Michael R. Anderson, Michael Cafarella, Yixing Jiang, Guan Wang, Bochun Zhang

University of Michigan

1138 Pronto: A Software-Defined Networking based System for Performance Management of Analytical Queries on Distributed Data Stores

Pengcheng Xiong, Hakan Hacigumus

NEC Laboratories America

1144 Getting Your Big Data Priorities Straight: A Demonstration of Priority-based QoS using Social-network-driven Stock Recommendation

Rui Zhang, Reshu Jain and Prasenjit Sarkar

IBM Research - Almaden

1145 Vertexica: Your Relational Friend for Graph Analytics!

Alekh Jindal, Praynaa Rawlani, Samuel Madden

CSAIL, MIT

1151 NScale: Neighborhood-centric Analytics on Large Graphs

Abdul Quamar, Amol Deshpande, Jimmy Lin

University of Maryland

1152 DPSynthesizer: Differentially Private Data Synthesizer for Privacy Preserving Data Sharing

Haoran Li, Li Xiong, Lifan Zhang, Xiaoqian Jiang

Emory University, USA

UC San Diego

1154 SPOT: Locating Social Media Users Based on Social Network Context

Longbo Kong, Zhi Liu, Yan Huang

University of North Texas

1156 RASP-QS: Efficient and Confidential Query Services in the Cloud

Zohreh Alavi, James Powers, Jiayue Wang, Keke Chen

Wright State University, USA

1157 Thoth: Towards Managing a Multi-System Cluster

Mayuresh Kunjir, Prajakta Kalmegh, Shivnath Babu

Duke University