

## **Sunday January 4<sup>th</sup>, 2015**

4pm Registration Opens (Asilomar Check-in)

6pm Dinner (Seascape Restaurant)

7pm Informal Evening Get-together (Chapel)

## **Monday January 5<sup>th</sup>, 2015**

### **8:30AM-10:15AM Session 1: REAL-TIME DATA**

1. M. Karpasiotakis, I. Alagiannis, T. Heinis, M. Branco, A. Ailamaki: Virtualizing Data with ViDa: Running Queries to Build a Database
2. O. Kennedy, L. Ziarek: Just-in-time Data Structures
3. T. Johnson, V. Shkapenyuk: Data Stream Warehousing in Tidalrace
4. R. Fernandez, P. Pietzuch, J. Koshy, J. Kreps, D. Lin, N. Narkhede, J. Rao, C. Riccomini, G. Wang: Liquid: Unifying Nearline and Offline Big Data Integration

### **10:15AM-10:45AM: BREAK**

### **10:45AM-12:00PM Session 2: COLUMN STORES**

1. Marcel Kornacker et al.: Impala
2. Shilpa Lawande et al.: Vertica
3. Vidhya Srinivasan et al.: Redshift

### **12:00PM-1:15PM LUNCH**

### **1:15PM-2:30PM Session 3: DATA-DRIVEN SCIENCE**

1. J. Duggan, M. Brodie: Hephaestus: Virtual Experiments for Data-Intensive Science
2. A. Bhardwaj, S. Bhattacharjee, A. Chavan, A. Deshpande, A. Elmore, S. Madden, A. Parameswaran: DataHub: Collaborative Data Science & Dataset Version Management at Scale
3. Y. Diao, A. Roy, T. Bloom: Building Highly-Optimized, Low-Latency Pipelines for Genomic Data Analysis

### **2:30PM-2:45PM BREAK**

### **2:45PM-4:00PM Session 4: DATA INTEGRATION**

1. H. Lee, S. Balakrishnan, A. Halevy, B. Harb, H. Lee, J. Madhavan, A. Rostamizadeh, W. Shen, K. Wilder, F. Wu, C. Yu: Applying Web Tables in Practice
2. T. Rekatsinas, X. Dong, L. Getoor, D. Srivastava: Finding Quality in Quantity: The Challenge of Discovering Valuable Sources for Integration
3. Z. Ives, Z. Yan, N. Zheng, B. Litt, J. Wagenaar: Looking at Everything in Context

### **4:00PM-4:15PM: BREAK**

### **4:15PM-5:30PM Session 5: STORAGE SYSTEMS**

1. I. Oukid, W. Lehner, T. Kissinger, T. Willhalm, P. Bumbulis: Instant Recovery for Main Memory Databases
2. I. Manolescu, F. Bugiotti, D. Bursztyn, A. Deutsch, I. Ileana: Invisible Glue: Scalable Self-Tuning Multi-Stores
3. P. Helland: Immutability Changes Everything

#### **5:30PM-7:15PM BREAK AND DINNER**

#### **7:15PM GONG SHOW**

#### **Tuesday January 6<sup>th</sup>, 2015**

**8:30AM-9:30AM: Keynote:** R. Rajwar: Specializing the General

#### **9:30AM-10:00AM BREAK**

#### **10:00AM-11:45PM Session 6 QUERY PROCESSING (UNDER NEW ASSUMPTIONS)**

1. J. Fan, J. Patel: The case against specialized graph analytics engines
2. R. Halstead, I. Absalyamov, W. Najjar, V. Tsotras: FPGA-based Multithreading for In-Memory Hash Joins
3. R. Ramamurthy, A. Mohapatra, R. Kaushik: Raising Authorization Awareness in a DBMS
4. A. Crotty, A. Galakatos, K. Dursun, T. Kraska, U. Cetintemel, S. Zdonik: Tupleware: ``Big" Data, Big Analytics, Small Clusters

#### **11:45AM-1:15PM LUNCH**

#### **1:15PM-3:00PM Session 7: CLOUD**

1. J. Ortiz, M. Balazinska, V. de Almeida: Changing the Face of Database Services
2. W. Lang, R. Nehme, I. Rae: Database Optimization in the Cloud: Where Costs, Partial Results, and Consumer Choice Meet
3. C. Curion, A. Vulimiri, B. Godfrey, K. Karanasos, G. Varghese: WANalytics: Analytics for a Geo-Distributed Data-Intensive World
4. J. Levandoski, D. Lomet, S. Sengupta, R. Stutsman, R. Wang: High Performance Transactions in Deuteronomy

#### **3:00PM-6:00PM: FREE TIME**

#### **6:00PM-7:15PM DINNER**

#### **7:15PM-8:30PM Session 8: DATA INTEGRATION II**

1. Mona Vernon et al.: Thomson Reuters
2. Z. Abedjan, J. Morcos, M. Gubanov, I. Ilyas, M. Stonebraker, P. Papotti, M. Ouzzani: XForms: Leveraging the Web for Semantic Transformations
3. J. Hellerstein, J. Heer, S. Kandel: Predictive Interaction for Data Transformation

#### **Wednesday, January 7<sup>th</sup>, 2015**

#### **8:30AM-10:15AM Session 9: MODEL MANAGEMENT**

1. Zhen H. Liu, D. Gawlick: Management of Flexible Schema Data in RDBMSs
2. H. Mühleisen, M. Kersten, S. Manegold: Capturing the Laws of (Data) Nature
3. Y. Katsis, Y. Freund, Y. Papakonstantinou: Combining Databases and Signal Processing in Plato
4. D. Crankshaw, P. Bailis, J. Gonzalez, H. Li, Z. Zhang, M. Franklin, M. Jordan: The Missing Piece in Complex Analytics: Low Latency, Scalable Model Management and Serving with Velox

#### **10:15AM-10:45AM BREAK**

#### **10:45AM-12:00PM Session 10: KNOWLEDGE MANAGEMENT**

1. F. Mahdisoltani , J. Biega, F. Suchanek: YAGO3: A Knowledge Base from Multilingual Wikipedias
2. Y. Amsterdamer, S. Davidson, A. Kukliansky, T. Milo, S. Novgorodov, A. Somech: Managing General and Individual Knowledge in Crowd Mining Applications
1. I. Terrizzano, P. Schwarz, M. Rot, J. Colino: Data Wrangling: The Challenging Journey from the Wild to the Lake