**SUNDAY JANUARY 8th 2017**

Registration TBA

Dinner TBA

Social Event TBA

**MONDAY JANUARY 9th 2017**

9:00 AM – 11:05 AM  SESSION 1: STREAM PROCESSING

(Session chair : Olga Papaemmanouil –  Brandeis)

            Introduction

1. John Meehan, Cansu Aslantas, Stan Zdonik, Nesime Tatbul: **“Data Ingestion for the Connected World”**
2. Christian Garcia-Arellano, Ronald Barber, Matt Huras, Ronen Grosman, C. Mohan, Rene Mueller, Fatma Ozcan, Hamid Pirahesh, Vijayshankar Raman, Richard Sidle, Adam Storm, Yuanyuan Tian, Pinar Tozun, Daniel Zilio, Guy Lohman: ***“Evolving Databases for New-Gen Big Data Applications”***
3. Barzan Mozafari, Jags Ramnarayan, Sudhir Menon, Yogesh Mahajan, Soubhik Chakraborty, Hemant Bhanawat, Kishor Bachhav: ***“SnappyData: A Unified Cluster for Streaming, Transactions and Interactice Analytics”***
4. Peter Bailis, Edward Gan, Kexin Rong, Sahaana Suri: ***“Prioritizing Attention in Analytic Monitoring”***

11:05 AM – 11:50 AM  KEYNOTE:

Emily Galt (GE Digital)  “ title TBD”

11:50 AM – 1:00 PM LUNCH BREAK

1:00 PM – 2:15 PM SESSION 2: DATA INTEGRATION

(Session chair: Chris Re – Stanford)

Introduction

1. Dong Deng, Raul Castro Fernandez, Ziawasch Abedjan, Sibo Wang, Michael Stonebraker, Ahmed Elmagarmid, Ihab Ilyas, Samuel Madden, Mourad Ouzzani, Nan Tang: ***“The Data Civilizer System”***
2. Joseph M. Hellerstein, Vikram Sreekanti, Joseph E. Gonzales, Sudhansku, Arora, Arka Bhattacharyya, Shirshanka Das, Akron Dey, Mark Donsky, Gabriel Fierro, Sreyashi Nag, Krishna Ramachandran, Chang She, Eric Sun, Carl Steinbach, Venkat Subramanian: ***“Establishing Common Ground with Data Context”***
3. William Spoth, Bahareh Sadat Arab, Eric S. Chan, Dieter Gawlich, Adel Ghoneimy, Boris Glavic, Beda Hammerschmidt, Oliver Kennedy, Seokki Lee, Zhen Hua Liu, Xing Niu, Ying Yang: ***“Adaptive Schema Databases”***

2:15 PM – 2:30 PM BREAK

2:30 PM – 4:05 PM SESSION 3:  ENGINES

(Session chair: Ippokratis Pandis - Amazon)

Introduction

1. Raja Appuswarmy, Manos Karpathiotakis, Danica Porobic, Anastasia Ailamaki: ***“The Case For Heterogeneous HTAP”***
2. Viktor Leis, Bernharde Radke, Andrey Gubichev, Alfons Kempner, Thomas Neumann: ***“Cardinality Estimation Done Right: Index-Based Join Sampling”***
3. Philip A. Bernstein, Mohammad Dashti, Tim Kiefer, David Maier: ***“Indexing in an Actor-Oriented Database”***
4. Ang Chen, Yang Wu, Andreas Haeberlen, Boon Thau Loo, Wenchao Zhou: ***“Data Provenance at Internet Scale: Architecture, Experiences, and the Road Ahead”***

4:05 PM – 4:20 PM BREAK

4:20 PM – 5:35 PM SESSION 4: POLYSTORES

(Session chair: Jennie Duggan – Northwestern)

            Introduction

1. Jingjing Wang, Tobin Baker, Magda Balazinska, Daniel Halperin, Brandon Hayes, Bill Howe, Dylan Hutchinson, Shrainik Jain, Ryan Maas, Parmita Mehta, Dominik Moritz, Brandon Myers, Jennifer Ortiz, Dan Suciu, Andrew Whittaker, Shengliang Xu: ***“The Myria Big Data Management and Analytics System and Cloud Services”***
2. Tim Mattsen, Vijay Gadepally, Zuohao She, Adam Dziedzic, Jeff Parkhurst: ***“Demonstrating the BigDAWG Polystore System for Ocean Metagenomics Analysis”***
3. Andy Pavlo, Joy Arulraj, Lin Ma, Prashanth Menon, Todd C. Mowry, Matthem Perron, Anthony Tomasic, Dana Van Aken, Ziqi Wang, Tieying Zhang: ***“Self-Driving Database Management Systems”***

LONG BREAK

7:00 PM – 8:00 PM   REFLECTIONS ON JIM GRAY

(Session chair: David Dewitt – MIT)

8:00 PM -  9:00 PM  GONG SHOW 1

(Session chair: Andy Pavlo – CMU)

**TUESDAY JANUARY 10th 2017**

9:00 AM – 10:15 AM SESSION 5:  TOOLS

(Session chair: Rakesh Agrawal – Data Insights Laboratories)

            Introduction

1. Tarique Siddiqui, John Lee, Albert Kim, Edward Xue, Xiaofo Yu, Sean Zou, Lijin Guo, Changfeng Liu, Chaoran Wang, Karrie Karahalios, Aditya Parameswaran: ***“Fast-Forwarding to Desired Visualizations with Zenvisage”***
2. EugeneWu, Fotis Psallidas, Zhengjie Miao, Haoci Zhang, Laura Rettig: ***“Combining Design and Performance in a Data Visualization Management System”***
3. Rogers Jeffrey Leo John, Navneet Potti, Jignesh M. Patel: ***“Ava: From Data to Insights”***

10:15 AM – 10:45 AM BREAK

10:45 AM – 12:00 AM  SESSION 6: APPLICATIONS

(Session chair: Ziawasch Abedjan – TU Berlin)

            Introduction

1. Rusian Mavlyutov, Carlo Curino, Boris Asipov, Phil Cudre-Mauroux: ***“Dependency-Driven Analytics: A Compass for Uncharted Data Oceans”***
2. James Wagner, Alexander Raisin, Tanu Malik, Karen Hart, Hugo Jehle, Jonathen Grier: ***“Database Forensic Analysis with DBCarver”***
3. Susan Davidson, Daniel Deutch, Tova Milo, Gianmaria Silvello: ***“A Model for Fine-Grained Data Citation”***

12:00 AM – 1:00 PM LUNCH BREAK

1:00 PM – 2:15 PM SESSION 7:  CONCURRENCY CONTROL

(Session chair: Alan Fekete – University of Sydney)

            Introduction

1. Jose M. Faleiro, Daniel J. Abadi: ***“Latch-free Synchronization in Database Systems: Silver Bullet or Fool’s Gold?”***
2. Aaron Elmore, Dixin Tang, Hao Jiang: ***“Adaptive Concurrency Control: Despite the Looking Glass, One Concurrency Control Does Not Fit All”***
3. Zechao Shang, Jeffrey Xu Yu: ***“My Weak Consistency is Strong”***

2:15 PM – 2:30 PM BREAK

2:30 PM – 4:05PM SESSION 8: ANALYTICS

(Session chair: Pinar Tozun – IBM)

Introduction

1. Carsten Binnig, Lorenzo De Stefani, Tim Kraska, Eli Upfel, Emanuel Zgraggen, Zheguang Zhao: ***“Toward Sustainable Insights, or Why Polygamy is Bad for You”***
2. Tarek Elgamal, Shangyu Luo, Mattias Boehm, Alexandre V. Evfimievski, Shirish Tatikonda, Berthold Reinwald, Prithviraj Sen: ***“SPOOF: Sum-Product Optimization and Operator Fusion for Large-Scale Machine Learning”***
3. Hideaki Kimura, Alkis Simitsis, Kevin Wilkinson: ***“Janus: Transaction Processing of Navigation and Analytic Graph Queries on Many-core Servers”***
4. Shoumik Palkar, James J. Thomas, Anil Shanbhag, Malte Schwarzkopt, Saman Amarasinghe, Matei Zaharia: ***“A Common Runtime for High Performance Data Analysis”***

LONG BREAK

7:00 PM – 8:00 PM  2 PANEL DISCUSSIONS

(Session chair: Mike Stonebraker – MIT)

8:00 PM – 9:00 PM  GONG SHOW – 2

(Session chair: Andy Pavlo –  CMU)

**WEDNESDAY JANUARY 11th 2017**

9:00 AM – 9:45 AM KEYNOTE

Sam Madden (MIT) “title – TBD”

9:45 AM – 12:10 AM SESSION 9: DBMS ENGINES

(Session chair: Fatma Ozcam – IBM)

            Introduction

1. Martin Kersten, Lefteris Sidirourgos: ***“A Database System with Amnesia”***

30 MINUTES BREAK

1. Ryan Marcus, Olga Papaemmanouil: ***“Releasing Cloud Databases for the Chains of Performance Prediction Models”***
2. Siying Dong, Mark Callaghan, Leonidas Galanis, Dhruba Borthakur, Tony Savor, Michael Strum: ***“Optimizing Space Amplification in RocksDB”***
3. Shumo Chu, Chenglong Wang, Konstantin Weitz, Alvin Cheung: ***“Cosette: An Automated Prover for SQL”***
4. Badrish Chandramouli, Johannes Gehrke, Jonathen Goldstein, Donald Kossmann Justin Levandoski, Renato Marroquin, WenLei Xie: ***“READY: Completeness is in the Eye of the Beholder”***