CIDR 2011 DRAFT SCHEDULE

<u>**Sunday January 9th, 2011**</u>

3pm Registration Opens

6pm Dinner

7pm Informal Evening Get-together

<u>**Monday January 10th 2011**</u>

7:00 Breakfast

8:30-10:15 Emerging Architectures (Chair: TBD)

Flash Device Support for Database Management
Philippe Bonnet (IT University of Copenhagen); Luc Bouganim (INRIA);

Hyder – A Transactional Record Manager for Shared Flash
Philip Bernstein (Microsoft); Colin Reid (Microsoft Corp.); Sudipto Das (UC Santa Barbara);

Rethinking Database Algorithms for Phase Change Memory
Shimin Chen (Intel Labs Pittsburgh); Phillip Gibbons (Intel Labs Pittsburgh); Suman Nath (Microsoft Research);

SWissBox: An Architecture for Data Processing Appliances
Gustavo Alonso (ETH Zurich); Donald Kossmann (ETH Zurich); Timothy Roscoe (ETH Zurich);

10:15-10:45 Coffee Break

10:45-12:30 Interfaces (Chair: TBD)

IQ: The Case for Iterative Querying for Knowledge
Yosi Mass (IBM); Maya Ramanath (MPI); Yehoshua Sagiv (Hebrew U.); Gerhard Weikum (MPI);

DBease: Making Databases User-Friendly and Easily Accessible
Guoliang Li (Tsinghua University); Ju Fan (Tsinghua University); Hao Wu (Tsinghua University); Jiannan Wang (Tsinghua University); Jianhua Feng (Tsinghua University);

Here are my Data Files. Here are my Queries. Where are my Results?
Stratos Idreos (CWI); Ioannis Alagiannis (EPFL); Ryan Johnson (CMU); Anastasia Ailamaki (EPFL);

The SQL-based all-declarative FORWARD web application development framework
Yupeng Fu (UCSD); Kian Win Ong (app2you.com); Yannis Papakonstantinou (UC San Diego); Michalis Petropoulos (UCSD);

Monday 1/10 (continued)

12:30-1:30 Lunch

1:30 – 2:45 Privacy and Personal Data (Chair: TBD)

Managing Information Leakage
Steven Whang (Stanford University); Hector Garcia-Molina (Stanford University);

eXO: Decentralized Autonomous Scalable Social Networking
Andreas Loupasakis (Computer Engineering & Informatics Dept., U. of Patras, Greece); Nikos Ntarmos (C.S. Dept., U. of Ioannina); Peter Triantafillou (University of Patras);

Database Access Control and Privacy: Is there a common ground?
Surajit Chaudhuri (Microsoft Research); Raghav Kaushik (Microsoft Research); Ravi Ramamurthy (Microsoft Research);

2:45-3:15 Coffee Break

3:15-5:00 Consistency (Chair: TBD)

Transactional Intent
Shel Finkelstein (SAP Labs); Thomas Heinzel (SAP Labs); Rainer Brendle (SAP Labs); Ike Nassi (SAP Labs); Heinz Roggenkemper (SAP Labs);

Consistency in a Stream Warehouse
Lukasz Golab (AT&T Labs - Research); Theodore Johnson (ATT);

Consistency Analysis in Bloom: a CALM and Collected Approach
Peter Alvaro (UC Berkeley); Neil Conway (UC Berkeley); Joe Hellerstein (UC Berkeley); William Marczak (UC Berkeley);

Data Consistency Properties and the Trade-offs in Commercial Cloud Storage: the Consumers' Perspective
Hiroshi Wada (NICTA); Alan Fekete;Liang Zhao (NICTA); Kevin Lee (NICTA); Anna Liu;

6:00-7:00 Dinner

7:00 Gong Show (Chair: Yanlei Diao)

Tuesday January 11th 2011

7:00 Breakfast

8:30-9:30 **Keynote:** Eric Horvitz, Microsoft Research (Chair: Michael Franklin)

9:30-10:15 Outrageous Ideas and Vision I: Killer Apps (Chair: TBD)

Using Data for Systemic Financial Risk Management
Louiqa Raschid (University of Maryland); HV Jagadish (University of Michigan, Ann Arbor);
Mark Flood (University of Maryland); Frank Olken (NSF and LBL); Albert Kyle (University of
Maryland);

Computational Journalism: A Call to Arms to Database Researchers
Sarah Cohen;Chengkai Li;Jun Yang (Duke); Cong Yu;

10:15-10:45 Coffee Break

10:45- 12:30 Potpourri: People, Provenance and Prediction (Chair: TBD)

Ibis: A Provenance Manager for Multi-Layer Systems
Christopher Olston (Yahoo! Research); Anish Das Sarma (Yahoo! Research);

Answering Queries using Humans, Algorithms and Databases
Aditya Parameswaran (Stanford University); Neoklis Polyzotis (UC Santa Cruz);

The Case for Predictive Database Systems: Opportunities and Challenges
Mert Akdere (Brown University); Ugur Cetintemel (Brown University); Matteo Riondato (Brown
University); Eli Upfal (Brown University); Stan Zdonik (Brown University);

User Feedback as a First Class Citizen in Information Integration Systems
Khalid Belhajjame (University of Manchester); Norman Paton (University of Manchester);
Alvaro A. A. Fernandes (University of Manchester); Cornelia Hedeler (University of
Manchester); Suzanne Embury (University of Manchester);

12:30-1:30 Lunch

1:30-4:00 Free Time

4:00-5:45 Outrageous Session II (Chair: TBD)

Data Externality
Rakesh Agrawal (Microsoft);
No bits left behind
Eugene Wu (MIT); Carlo Curino (MIT); Sam Madden (MIT);

DBrev: Dreaming of a Database Revolution
Gjergji Kasneci (Microsoft research Cambridge); Jurgen Gael (Microsoft Research Cambridge); Thore Graepel (Microsoft Research Cambridge);

Towards a One Size Fits All Database Architecture
Jens Dittrich (Saarland University); Alekh Jindal (Saarland University);

Longitudinal Analytics on Web Archive Data: It's About Time!
The LAWA Team;

5:45-7p Dinner

7:00-8:45p Outrageous Session III (Chair TBD)

Data in the Last Mile
Kuang Chen (UC Berkeley); Joe Hellerstein (UC Berkeley); Tapan Parikh (UC Berkeley);

Managing Structured Collections of Community Data
Wolfgang Gatterbauer (University of Washington); Dan Suciu (University of Washington);

Crowdsourced Databases: Query Processing with People
Adam Marcus (MIT CSAIL); Eugene Wu (MIT); Sam Madden (MIT); Robert Miller;

Vision Paper: Enabling Privacy in Provenance-Aware Workflow Systems
Susan Davidson (University of Pennsylvania); Sanjeev Khanna (University of Pennsylvania); Val Tannen (University of Pennsylvania); Sudeepa Roy (University of Pennsylvania); Yi Chen (Arizona State University); Tova Milo (Tel Aviv University); Julia Stoyanovich (University of Pennsylvania);

The Schema-Independent Database UI---A Proposed Holy Grail and Some Suggestions
Eirik Bakke (MIT); Edward Benson;

8:45-9:00 Best Paper and Gong Show Awards Ceremony (Chair: Yanlei Diao)

9:00 - Lubricated Discussions

Wednesday January 11th 2011

7:00 Breakfast

8:30-10:10 Cloud Services (Chair: TBD)

Megastore: Providing Scalable, Highly Available Storage for Interactive Services
Jason Baker (Google Inc.); Chris Bond (Google Inc.); James Corbett (Google Inc.); JJ Furman (Google Inc.); Andrey Khorlin (Google Inc.); James Larson (Google Inc.); Jean-Michel Leon (Google Inc.); Yawei Li (Google Inc.); Alexander Lloyd (Google Inc.); Vadim Yushprakh (Google Inc.);

Relational Cloud: a Database Service for the cloud
Carlo Curino (MIT); Evan Jones (MIT); Raluca Popa (MIT); Nirmesh Malviya (MIT); Eugene Wu (MIT); Sam Madden (MIT); Har Balakrishnan (MIT); Nickolai Zeldovich (MIT);

Cloud Resource Orchestration: A Data-Centric Approach
Yun Mao (AT&T Labs - Research); Changbin Liu (UPenn); Jacobus Van der Merwe (AT&T Labs - Research); Mary Fernandez (AT&T Labs - Research);

Deuteronomy: Transaction Support for Cloud Data
David Lomet (Microsoft Research); Justin Levandoski (University of Minnesota); Mohamed Mokbell (University of Minnesota); Kevin Zhao (University of California San Diego);

10:10-10:30 Coffee Break

10:30-12:10 Analytics (Chair: TBD)

Starfish: A Self-tuning System for Big Data Analytics
Herodotos Herodotou (Duke University); Harold Lim (Duke University); Gang Luo (Duke University); Nedyalko Borisov (Duke University); Liang Dong (Duke University); Fatma Bilgen Cetin (Duke University); Shivnath Babu (Duke University);

Provenance for Generalized Map and Reduce Workflows
Robert Ikeda (Stanford University); Jennifer Widom (Stanford University);

DBToaster: Agile Views for a Dynamic Data Management System
Oliver Kennedy (EPFL); Yanif Ahmad (Johns Hopkins University); Christoph Koch (EPFL);

SciBORQ: Scientific data management with Bounds On Runtime and Quality
Lefteris Sidirourgos (CWI); Martin Kersten (CWI); Peter Boncz (CWI);

12:10- 12:30 Outrageous Ideas and Vision Awards and Closing Remarks

12:30 Lunch

Conference Ends