

Delta Computing & Engineering Colloquium

Hosted by the College of Science & Computer Engineering

Monday, October 9, 2017

Delta 241, 11:30 a.m. – 12:30 p.m.

Large-Scale Data Processing with the SimSQL System.

Dr. Chris Jermaine
Rice University

In this talk, I'll describe the SimSQL system, which is a platform for writing and executing data- and compute-intensive codes over large data sets, with a particular emphasis on very large-scale statistical computations. At its heart, SimSQL is really a relational database system, and like other relational systems, SimSQL is designed to support data independence. That is, a single declarative code for a particular statistical inference problem can be used regardless of data set size, compute hardware, and physical data storage and distribution across machines. One concern is that a platform supporting data independence will not perform well. But we've done extensive experimentation, and have found that SimSQL performs as well as other competitive platforms that support writing and executing machine learning codes for large data sets.

Host: Dr. Ahmed Abukmail

Refreshments will be served from 11:00 a.m. – 11:30 a.m.!

Contact Information: Dr. Ahmed Abukmail
2700 Bay Area Blvd., Delta Building 169, Houston, TX 77058
281-283-3888: Abukmail@uhcl.edu

Any person needing an accommodation for a disability to participate in this program should contact the sponsoring organization at (281) 283-3770 for necessary arrangements.

