R212: Paper Review Presentation Assignment

2014/10/27 Session 3: Processing Models of Large-Scale Graph Data

William Jones (Short Presentation)
2. G. Malewicz, M. Austern, A. Bik, J. Dehnert, I. Horn, N. Leiser, and G. Czajkowski: Pregel: A System for Large-Scale Graph Processing, SIGMOD, 2010.

Maciej Biskupiak
4. Y. Low, J. Gonzalez, A. Kyrola, D. Bickson, C. Guestrin, J. Hellerstein: Distributed GraphLab: A Framework for Machine Learning and Data Mining in the Cloud, VLDB, 2012.

Philip Leonard
3. Z. Qian, X. Chen, N. Kang, M. Chen, Y. Yu, T. Moscibroda, Z.Zhang: MadLINQ: large-scale distributed matrix computation for the cloud, EuroSys, 2012.

David Reti (Short Presentation)
5. .J. Shun and G. Blelloch: Ligra: A Lightweight Graph Processing Framework for Shared Memory, PPoPP, 2013.

Micahel Schaarschmidt (Short Presentation)
9. B. Shao, H. Wang, Y. Li: Trinity: A Distributed Graph Engine on a Memory Cloud, SIGMOD, 2013.

2014/11/13 Session 5: Optimised Approaches in Graph Data Processing

Patrick Short
2. A. Kyrola and G. Blelloch: Graphchi: Large-scale graph computation on just a PC, OSDI, 2012.

Matt Huxtable (Short Presentation)
5. W. Xie, G. Wang, D.Bindel, A. Demers, J. Gehrke: Fast Iterative Graph Computation with Block Updates, VLDB, 2014.

Ana Trisovic
7. J. Gonzalez, Y. Low, H. Gu, D. Bickson, and C. Guestrin: Powergraph: distributed graph-parallel computation on natural graphs. OSDI, 2012.

2014/11/17 Session 6: Stream Data Processing and Data/Query Model

William Jones
6. B.Gedik, H. Andrade, K. Wu, P. Yu, and M. Doo: SPADE: the system S Declarative Stream Processing Engine , SIGMOD. 2008

Mariana-Cristina Marasoiu (Short Presentation)
7. E. Zeitler and T.Risch: Massive scale-out of expensive continuous queries, VLDB, 2011.

Maciej Biskupiak (Short Presentation)
8. R. Cheng, J. Hong, A. Kyrola, Y. Miao, X. Weng, M. Wu, F. Yang, L. Zhou, F. Zhao, E. Chen: Kineograph: Taking the Pulse of a Fast-Changing and Connected World, EuroSys, 2012.

2014/11/24 Session 7: Scheduling Irregular Tasks in Parallel Computing Environments

Neil Satra
1. S. Hong, H. Chafi, E. Sedlar, K.Olukotun: Green-Marl: A DSL for Easy and Efficient Graph Analysis, ASPLOS, 2012.

Micahel Schaarschmidt
2. D. Prountzos, R. Manevich, K. Pingali: Elixir: A System for Synthesizing Concurrent Graph Programs, OOPSLA, 2012.

Matt Huxtable (Short Presentation)
5. C. Rossbach, Y. Yu, J. Currey, J-P. Martin, D. D. Fetterly: Dandelion: a Compiler and Runtime for Heterogeneous Systems, SOSP 2013.

Philip Leonard (Short Presentation)
8. S. Salihoglu, J. Widom: Optimizing Graph Algorithms on Pregellike Systems, VLDB, 2014.

David Reti
9. D. Merrill, M. Garland, A. Grimshaw: Scalable GPU Graph Traversal, PPoPP, 2012.

Varun Gandhi (Short Presentation)
6. A. Gharaibeh, E. Santos-Neto, L. Costa, M. Ripeanu: Efficient Large-Scale Graph Processing on Hybrid CPU and GPU Systems, IEEE TPC, 2014.