Spring 2011 Presentation Schedule

CS591Han Seminar: Advanced Topics on Data Mining (Spring 2011 Presentation Schedule)

- Semester themes: (1) Information Network Analysis; and (2) data mining in cyberphysical systems
- Papers can be selected from this year or previous several years' conference proceedings or journals. We welcome students who would like to present tutorials and/or writing topic survey articles related to this theme.
- Two students per unit (20 minutes presentation and 5 minutes discussion for each research paper, i.e., two papers will be covered per class unit).

Week 1 (1/20/11): Two presentations
- Zhijun: SDM paper pptx
- Tim: SIGIR paper pptx

Week 2 (1/27/11):
- Bolin: VLDB accepted paper
- Jessie: KDD paper in preparation

Week 3 (2/3/11): One presentation
- Jing Gao: Job talk practice

Week 4 (2/10/11): Two presentations
- Manish: KDD paper in preparation
- Cindy Xide Lin: KDD paper in preparation

Week 5 (2/17/11): One presentation
- Hyungsul Kim: KDD paper in preparation

Week 6 (2/24/11): Two presentations
- Peixiang: Graph Cube: On Warehousing and OLAP Multidimensional Networks slides
- Quanquan: Feature Selection and Subspace Learning slides

Week 7 (3/3/11): Two presentations
- Yizhou: ASONAM paper in submission.
- Chi: Inferring Networks of Diffusion and Influence, KDD ’10

Week 8 (3/10/11): Two presentations
- Marina: ASONAM paper in preparation pptx
- Marina Barsky: Symbolic representations of time series

Week 9 (3/17/11): One presentation
- Manish: Trust Analysis: Discussion (1 hour)

Week 11 (3/31/11): Two presentations

- Lu An: Intruder detection in wireless sensor network: [https://netfiles.uiuc.edu/tang18/shared/%28CS591%29Object_Mining_in_Wireless_Sensor_Network.pptx](https://netfiles.uiuc.edu/tang18/shared/%28CS591%29Object_Mining_in_Wireless_Sensor_Network.pptx)
- Sang: Mining Interesting Null-Invariant Patterns

Week 12 (4/7/11): Invited Speaker

**Title:** Sampling and hashing techniques in data mining

**Speaker:** Rasmus Pagh, IT University of Copenhagen

**Abstract:** I give an overview of recent work (ICDM ’09, ICDM ’10, KDDCloud-10, IPDPS ’11) that is characterized by the use of sampling and hashing techniques, addressing problems in similarity mining and graph mining, including implementation on parallel platforms.

**Bio:** Rasmus Pagh received his PhD from Aarhus University in 2002. Since then he has been employed at IT University of Copenhagen, where he is currently associate professor and head of the Efficient Computation group. His early work was mainly on theory of randomized data structures (e.g. cuckoo hashing). In later years his interests have shifted towards databases and data mining, with an emphasis on using tools from theoretical computer science to design and analyze practical and highly scalable algorithms.

Week 13 (4/14/11): One presentation

- Liangliang Cao: Job Talk

Week 14 (4/21/11): Two presentations

- Ming Ji: A Variance Minimization Criterion to Active Learning on Graphs
- Xiao Yu: Query Intention Understanding and Processing on Heterogeneous Information Network

Week 15 (4/28/11): Two presentations

- Bo Zhao: www2011-Unified Analysis of Streaming News.pptx
- Xin Jin: Wisdom of Social Media: Using Flickr for Prediction and Forecast slides

Week 16 (5/5/10): No presentation: Group semester summary report: Please link your presentation to the report page