

Workshop I: Dynamic Searches and Knowledge Building

Monday October 1, 2007

- 8:00–8:45 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:45–9:00 *Welcome and Opening Remarks*
- 9:00–10:00 **Peter Jones** (Yale University)
Spectral Methods for Knowledge Building: Theory and Open Problems
- 10:00–10:30 *Coffee Break*
- 10:30–11:30 **Ran El-Yaniv** (Technion - Israel Institute of Technology)
Transductive Learning
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **Eduard Hovy** (University of Southern California (USC))
- 2:00–2:30 *Break*
- 2:30–3:30 **David Ferrucci** (IBM Watson Research Center)
Semantic Search in QA: A critical look at our legacy in Automatic Question Answering
- 3:30–4:00 *Coffee Break*
- 4:00–5:00 **Anthony Davis** (Comcast/StreamSage)
Indexing and Searching Timed Media: The Role of Mutual Information Models.

Tuesday October 2, 2007

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Hagit Shatkay** (Queen's University)
Sweeping through the Biomedical Literature: An Information Retrieval Approach to Biomedical Text Mining
- 10:00–10:30 *Coffee Break*
- 10:30–11:30 **Ronald Coifman** (Yale University)
Diffusion and inference geometries as a tool for data driven ontology/language building.
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **Karin Verspoor** (Los Alamos National Laboratory)
Exploiting contextual similarity for semantic prediction in the Biology domain
- 2:00–2:30 *Break*

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- 2:30–3:30 **Mark Meiss** (Indiana University)
Building Networks from Networks: Mining Network Data to Model User Behavior
- 3:30–4:00 *Coffee Break*
- 4:00–5:00 **Mark Manasse** (Microsoft Research)
Recent Advances in Minhashing
- 5:30–7:00 *Reception (Location: IPAM Lobby)*

Wednesday October 3, 2007

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00
 TBA
- 10:00–10:30 *Coffee Break*
- 10:30–11:30 **Tina Eliassi-Rad** (Lawrence Livermore National Laboratory)
Collective Classification in Network Data
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **David Blei** (Princeton University)
Modeling Science: Topic models of Scientific Journals and Other Large Document Collections
- 2:00–2:30 *Break*
- 2:30–3:30 **Jim Thomas** (Battelle Pacific Northwest Laboratories)
- 3:30–4:00 *Coffee Break*
- 4:00–5:00 **Marius Pasca** (Google Inc.)
Knowledge Acquisition from Web Search Queries

Thursday October 4, 2007

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Jimmy Lin** (University of Maryland)
Beyond Bag of Words: Towards a Framework for Conceptual Retrieval
- 10:00–10:30 *Coffee Break*
- 10:30–11:30 **Bonnie Webber** (University of Edinburgh)
Possibilities for Improving Information Search through Corpus Profiling
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **Diane Kelly** (University of North Carolina)
Personalizing Information Search: Understanding Users and their Interests
- 2:00–2:30 *Coffee Break*
- 2:30–4:00 *Discussion Panel*

Friday October 5, 2007

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Bill Dolan** (Microsoft Research)
Modeling semantic overlap for applications
- 10:00–10:30 *Coffee Break*
- 10:30–11:30 **Dan Moldovan** (University of Texas at Dallas)
Towards the Automatic Construction of Semantically Rich Ontologies
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **Sanda Harabagiu** (University of Texas at Dallas)
Methods for Using Textual Entailment in Open-Domain Question Answering

