

## Document Space

### Monday January 23, 2006

- 8:00–8:45 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:45–9:00 *Welcome and Opening Remarks*
- 9:00–9:15 **Carey Priebe** (Johns Hopkins University)
- 9:15–11:00 **Michael Trosset** (College of William and Mary)  
*Trading Spaces: Measures of Document Proximity and Methods for Embedding Them*
- 11:00–2:00 *Lunch (on your own)*
- 2:00–3:00 **Michael Berry** (University of Tennessee)  
*Text Mining Approaches for Email Surveillance*
- 3:00–3:30 *Break*
- 3:30–4:30 **Sanjeev Khundapur** (Johns Hopkins University)  
*Document Representations for Topic-Adaptation in Statistical Language Modeling*
- 4:30–5:30 **Ronald Coifman** (Yale University)  
*Diffusion geometries of digital document spaces, ontologies and knowledge building*
- 5:30–7:00 *Wine/Cheese Reception (Hosted by IPAM)*

### Tuesday January 24, 2006

- 8:00–9:00 *Continental Breakfast*
- 9:00–10:00 **John Lafferty** (Carnegie-Mellon University)  
*Topic Models I : Probabilistic models of documents and Topic models II: Structured and dynamic models*
- 10:00–10:30 *Break*
- 10:30–11:30 **David Blei** (Princeton University)  
*Topic Models I : Probabilistic models of documents and Topic models II: Structured and dynamic models*
- 11:30–2:00 *Lunch (on your own)*
- 2:00–3:00 **Eugene Charniak** (Brown University)  
*Recent Results in Parsing*
- 3:00–3:30 *Break*

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- 3:30–4:30     **Frederick Jelinek** (Johns Hopkins University)  
*Language Modeling Experiments with Random Forests*
- 4:30–5:30     **Jason Eisner** (Johns Hopkins University)  
*Bootstrapping Without the Boot*

### Wednesday January 25, 2006

- 8:00–9:00     *Continental Breakfast*
- 9:00–10:00    **Damianos Karakos** (Johns Hopkins University)  
*Language Modeling with the Maximum Likelihood Set: Complexity Issues and the Back-off Formula*
- 10:00–10:30   *Break*
- 10:30–11:30   **Peter Jones** (Yale University)  
*Eigenfunction Local Coordinates and the Local Riemann Mapping Theorem*
- 11:30–2:00    *Lunch (on your own)*
- 2:00–3:00     **David Marchette** (Naval Surface Warfare Center)  
*How Document Space is like an Elephant*
- 3:00–3:30     *Break*
- 3:30–4:30     **Michael Mahoney** (Yahoo! Research)  
*Data-driven dictionary definition for diverse document domains*
- 4:30–5:30     **Andrew Tomkins** (Yahoo! Research)  
*Issue in accurate representation of documents*

### Thursday January 26, 2006

- 8:00–9:00     *Continental Breakfast*
- 9:00–10:00    **Stephane Lafon** (Google Inc.)  
*Geometric clustering in kernel embedding spaces for document corpora organization*
- 10:00–10:30   *Break*

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- 10:30–11:30 **Mauro Maggioni** (Yale University)  
*Multiscale Analysis of Graphs and Document Corpora*
- 11:30–2:00 *Lunch (on your own)*
- 2:00–3:00 **David Horn** (Tel Aviv University)  
*Unsupervised Learning of Natural Languages*
- 3:00–3:30 *Break*
- 3:30–4:30 **Nello Cristianini** (UC Davis)  
*Kernel Methods for Text Analysis*
- 4:30–5:30 **Piotr Indyk** (Massachusetts Institute of Technology)  
*Algorithmic Applications of Low-Distortion Embeddings*

### Friday January 27, 2006

- 8:00–9:00 *Continental Breakfast*
- 9:00–10:00 **John Conroy** (IDA Center for Computing Sciences)  
*Multi-Document Summary Space: What do People Agree is Important?*
- 10:00–10:30 *Break*
- 10:30–11:30 **Djoerd Hiemstra** (Universiteit Twente)  
*Expressing language modeling approaches as region algebra queries*
- 11:30–2:00 *Lunch (on your own)*
- 2:00–3:00 *Conclusion*

