

Large Scale Multimedia Search

Monday January 9, 2012

- 8:00–8:50 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:50–9:00 *Welcome and Opening Remarks*
- 9:00–9:50 **Cordelia Schmid** (INRIA)
Aggregating local image descriptors into compact codes
- 10:00–10:15 *Break*
- 10:15–11:05 **Michael Bronstein** (Universita della Svizzera Italiana)
Feature descriptor learning for large-scale vision applications
- 11:15–11:30 *Break*
- 11:30–12:20 **Rob Fergus** (New York University)
Small Codes and Large Image Databases for Recognition
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Tomasz Malisiewicz** (Massachusetts Institute of Technology)
- 3:30–4:00 *Break*
- 4:00–4:50 **Jay Yagnik** (Google Inc.)
The Power of Comparative Reasoning
- 5:00–6:30 *Reception and Poster Session (Hosted by IPAM)*

Tuesday January 10, 2012

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Naoki Saito** (University of California, Davis (UC Davis))
On localization/phase transition phenomena of Laplacian eigenfunctions on graphs and networks
- 10:00–10:15 *Break*
- 10:15–11:05 **Manik Varma** (Microsoft Research India)
Learning to re-rank: Query-dependent image re-ranking using click data
- 11:15–11:30 *Break*

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- 11:30–12:20 **Trista Chen** (Fotologu Inc.)
From Information Retrieval to Active Media
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Samy Bengio** (Google Inc.)
Large Scale Semantic Extraction Through Embeddings: From Images to Music
- 3:30–4:00 *Break*
- 4:00–4:50 **Elaine Chew** (Queen Mary, University of London)
Music Structure and Prosody: Do You Hear What I Hear?

Wednesday January 11, 2012

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Stephane Mallat** (EPFL (Ecole Polytechnique Fédérale de Lausanne))
Classification with Stable and Informative Scattering Invariants
- 10:00–10:15 *Break*
- 10:15–11:05 **Yann LeCun** (New York University)
- 11:15–11:30 *Break*
- 11:30–12:20 **Alex Bronstein** (Tel Aviv University)
Spectral analysis of three-dimensional media
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Joachim Thorsten** (Cornell University)
Online Learning with Implicit User Preferences
- 3:30–4:00 *Break*
- 4:00–4:50 **Hamid Krim** (North Carolina State University)
A Theoretical Framework for Activity Classification

Thursday January 12, 2012

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Gert Lanckriet** (University of California, San Diego (UCSD))
Learning a multi-modal metric: a novel multiple kernel learning technique with applications to ranking, kNN and cross-modal retrieval
- 10:00–10:15 *Break*

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- 10:15–11:05 **Laurent Daudet** (Langevin Institute - Paris Diderot University)
Structuring audio archives with sparse decompositions
- 11:15–11:30 *Break*
- 11:30–12:20 **Greg Sell** (University of Maryland)
Diffusion-based Music Analysis
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Juan Bello** (New York University)
Knowledge Discovery in Music Audio
- 3:30–4:00 *Break*
- 4:00–4:50 **Malcolm Slaney** (Yahoo! Research)
Optimizing LSH and it's Connection to KDTrees

Friday January 13, 2012

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Shih-Fu Chang** (Columbia University)
Graph-Based Techniques for Searching Large-Scale Noisy Multimedia Data
- 10:00–10:15 *Break*
- 10:15–11:05 **Sanjiv Kumar** (Google Research)
Nearest Neighbor Search with Graphs
- 11:15–11:30 *Break*
- 11:30–12:20 **Karthik Ramani** (Purdue University)
Heat Diffusion for Structure Discovery and Shape Retrieval
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Brian Kulis** (Ohio State University)
A Transformation Learning Approach to Visual Domain Adaptation
- 3:30–4:00 *Break*
- 4:00–5:00 **Jia Deng** (Stanford University)
Building the Forest to See Trees: Toward Human Scale Visual Recognition

