



The International Workshop on Data-Mining and Statistical Science (DMSS2007)



Program

October 5 (Fri.)

Opening Address: 13:00-13:15

Session 1 13:15-14:45

Chair: Ryo Yoshida

- 13:15-13:45 Paul Sheridan*, Takeshi Kamimura, Hidetoshi Shimodaira (Invited)
"Scale-free network priors in Bayesian inference with applications to bioinformatics"
- 13:45-14:15 Koki Kyo
"Bayesian data analysis for identification and estimation of the learning effects of pointing tasks"
- 14:15-14:45 Masashi Sugiyama*, Shinichi Nakajima, Hisashi Kashima, Paul von Bunau, Motoaki Kawanabe
"Kullback-Leibler importance estimation procedure for covariate shift adaptation"
- 14:45-15:15 Coffee Break

Session 2 15:15-17:30

Chair: Rui Yamaguchi

- 15:15-15:45 Thanh Phuong Nguyen*, Tu Bao Ho
"Prediction of protein-protein interactions and disease genes by machine learning"
- 15:45-16:15 Ryo Yoshida*, Tomoyuki Higuchi, Seiya Imoto, Satoru Miyano
"Mixed factors analysis: Unsupervised statistical discrimination with kernel feature extraction"
- 16:15-16:30 Coffee Break
- 16:30-17:30 Jean-Philippe Vert (Invited)
"Statistical learning with graph kernels"
- 18:00- Banquet (ISM 2F Conference room / 特別会議室)

October 6 (Sat.)

Session 3 10:30-12:00

Chair: Tomoko Matsui

- 10:30-11:00 Kosuke Ishibashi*, Kohei Hatano, Masayuki Takeda
"Online learning of approximate maximum margin classifiers with biases"
- 11:00-12:00 Alexander J. Smola (Invited)
"Machine learning for web page ranking and collaborative filtering"
- 12:00 -13:30 Break

Session 4 13:30-15:30

Chair: Takashi Washio

- 13:30-14:00 矢田勝俊
"マーケティングにおけるストリームデータと文字列解析"
- 14:00-14:30 中野優*, 岡田孝
"カスケードモデルによる特徴的ルール導出：一般化と高速化"
- 14:30-15:00 難波徹郎*, 原口誠, 大久保好章
"遺伝子発現データからの接尾辞木に基づく疑似バイクラスタ抽出"
- 15:00-15:30 Yuichi Shiraishi*, Kenji Fukumizu, Shiro Ikeda
"A game theoretical analysis of combining classifiers for multi-class classification problems"
- 15:30-15:50 Coffee Break

Session 5 15:50-17:50

Chair: Genta Ueno

- 15:50-16:20 Hitohiro Shiozaki*, Koji Eguchi, Takenao Ohkawa
"Multi-entity-topic models with who-entities and where-entities"
- 16:20-16:50 Hiroshi Kuwajima*, Takashi Washio
"Fast PSD matrix estimation by column reductions"
- 16:50-17:20 Shin'ya Nakano*, Genta Ueno, Kazuyuki Nakamura, Tomoyuki Higuchi
"Merging particle filter における重みの設定について"
- 17:20-17:50 鹿島久嗣*, 山崎一孝, 西郷浩人, 猪口明博
"目的変数が範囲で与えられる回帰問題に対するEM法"

Closing Address: 17:50-18:00