**JMLR Workshop and Conference Proceedings, Volume 13**

**2nd Asian Conference on Machine Learning (ACML2010)**
**Tokyo, Japan, November 8-10, 2010**
**http://sugiyama-www.cs.titech.ac.jp/ACML2010/**

# Preface

The 2nd Asian Conference on Machine Learning (ACML2010) was held on November 8-10, 2010, at Tokyo Institute of Technology in Tokyo, Japan. The conference aims at providing a leading international forum for researchers in machine learning and related fields to share their new ideas and achievements. The conference called for research papers reporting original investigation results and proposals focusing on frontier research in all aspects of machine learning.

Although the conference is named "Asian Conference", we solicited submissions also from other than the Asia-Pacific regions. We have received 74 submissions from all over the world. Each paper was carefully reviewed by 4 program committee members and a senior program committee member, and we finally decided to accept 22 papers for oral presentation, with acceptance rate 29.7%. Although there was no explicit control for geographical balancing, the accepted papers were truly coming from all over the world. The paper review process involved 19 senior program committee members and 127 program committee members, all of whom volunteered their valuable time to provide high-quality reviews despite the tight reviewing schedule.

ACML2010 was a single-track conference, and all the 22 accepted papers were presented sequentially on November 9th and 10th, 2010. The conference also featured 3 tutorials on November 8th, 3 invited talks on November 9th and 10th, and a poster session consisting of 18 posters on November 10th, 2010.

We would like to acknowledge the Air Force Office of Scientific Research, Asian Office of Aerospace Research and Development (AFOSR/AOARD), and the Office of Naval Research Global (ONRG) for their financial support, which was mainly used for supporting students' participation. We acknowledge the general chair Takashi Washio and ACML steering committee members for their advice on conference organization, Hirotaka Hachiya for managing the conference web pages, and Hiroko Iida of Keio Travel Agency, Co., LTD. for making arrangement for travel and accommodation. We also thank Tokyo Institute of Technology, Global COE: Computationism as a Foundation for the Sciences, JST PRESTO: Synthesis of Knowledge for Information Oriented Society, IEICE Technical Group on Information-Based Induction Sciences and Machine Learning (IBISML) for their support. Our special thanks also go to Microsoft Research for allow us to use the Conference Management Toolkit for preparing the conference. Finally, we are grateful to all the conference participants and those who submitted their papers to the conference.

Program Committee Co-chairs
Masashi Sugiyama (Tokyo Institute of Technology, Japan)
Qiang Yang (Hong Kong University of Science and Technology, China)

# Accepted Papers

1. Pairwise Measures of Causal Direction in Linear Non-Gaussian Acyclic Models
   Aapo Hyvarinen, University of Helsinki

2. Learning Polyhedral Classifiers Using Logistic Function
   Naresh Manwani, Indian Institute of Science; P. S. Sastry, Indian Institute of Science

3. Ellipsoidal Support Vector Machines
   Michinari Momma, NEC; Kohei Hatano, Kyushu University; Hiroki Nakayama, NEC

4. Minimum Conditional Entropy Clustering: A Discriminative Framework for Clustering
   Bo Dai, NLPR/LIAMA; Baogang Hu, NLPR/LIAMA

5. Efficient Collapsed Gibbs Sampling for Latent Dirichlet Allocation
   Han Xiao, Technical University of Munich; Thomas Stibor, Technical University of Munich

6. Variational Relevance Vector Machine for Tabular Data
   Dmitry Kropotov, Dorodnicyn Computing Centre; Dmitry Vetrov, Lomonosov Moscow State University; Lior Wolf, Tel Aviv University; Tal Hassner, The Open University of Israel

7. Hierarchical Gaussian Process Regression
   Sunho Park, POSTECH; Seungjin Choi, POSTECH

8. Content-based Image Retrieval with Multinomial Relevance Feedback
   Dorota Glowacka, University College London; John Shawe-Taylor, University College London

9. The Coding Divergence for Measuring the Complexity of Separating Two Sets
   Mahito Sugiyama, Kyoto University; Akihiro Yamamoto, Kyoto University

10. Single versus Multiple Sorting in All Pairs Similarity Search
    Yasuo Tabei, JST Minato ERATO Project; Takeaki Uno, National Institute of Informatics (NII) of Japan; Masashi Sugiyama, Tokyo Institute of Technology; Koji Tsuda, National Institute of Advanced Industrial Science and Technology

11. An EM algorithm on BDDs with order encoding for logic-based probabilistic models
    Masakazu Ishihata, Tokyo Institute of Technology; Yoshitaka Kameya, Tokyo Institute of Technology; Taisuke Sato, Tokyo Institute of Technology; Shin-ichi Minato, Hokkaido University

12. Exploiting the High Predictive Power of Multi-class Subgroups
    Tarek Abudawood, University of Bristol; Peter Flach, University of Bristol

13. Generative Models of Information Diffusion with Asynchronous Time-delay
    Kazumi Saito, University of Shizuoka; Masahiro Kimura, Ryukoku University; Kouzou Ohara, Aoyama Gakuin University; Hiroshi Motoda, Osaka University

14. Decision Tree for Dynamic and Uncertain Data Streams
    Chunquan Liang, Northwest A&F University; Yang Zhang, Northwest A&F University; Qun Song, Northwest A&F University

15. Accurate Ensembles for Data Streams: Combining Restricted Hoeffding Trees using Stacking
    Albert Bifet, University of Waikato; Eibe Frank, University of Waikato; Geoffrey Holmes, University of Waikato; Bernhard Pfahringer, University of Waikato

16. Mining Recurring Concept Drifts with Limited Labeled Streaming Data
    Peipei Li, Hefei University of Technology; Xindong Wu, University of Vermont; Xuegang Hu, Hefei University of Technology

17. Hierarchical Convex NMF for Clustering Massive Data
    Kristian Kersting, Fraunhofer IAIS and University of Bonn; Mirwaes Wahabzada, Fraunhofer IAIS; Christian Thurau, Fraunhofer IAIS; Christian Bauckhage, Fraunhofer IAIS

18. Multi-task Learning for Recommender System
    Xia Ning, University of Minnesota; George Karypis, University of Minnesota

19. Adaptive Step-size Policy Gradients with Average Reward Metric
    Takamitsu Matsubara, NAIST/ATR; Tetsuro Morimura, IBM Research; Jun Morimoto, ATR

20. Finite-sample Analysis of Bellman Residual Minimization
    Odalric-Ambrym Maillard, INRIA Lille Nord-Europe; Remi Munos, INRIA Lille Nord-Europe; Alessandro Lazaric, INRIA Lille Nord-Europe; Mohammad Ghavamzadeh, INRIA Lille Nord-Europe

21. A Study of Approximate Inference in Probabilistic Relational Models
    Fabian Kaelin, McGill; Doina Precup, McGill

22. Conceptual Imitation Learning: An Application to Human-robot Interaction
    Hossein Hajimirsadeghi, University of Tehran; Majid Nili Ahmadabadi, University of Tehran; Mostafa Ajallooeian, University of Tehran; Babak Araabi, University of Tehran; Hadi Moradi, University of Tehran

# Tutorials

1. Web People Search: Person Name Disambiguation and Other Problems
   Minoru Yoshida, Hiroshi Nakagawa (University of Tokyo, Japan)

   This tutorial will present the current state of research on Web people searches. It will be mainly about person name disambiguation problems, and the attribute extraction methods that can be used to support person name disambiguation. We shall give a survey of the algorithms and tools available, and discuss the possibility of applying machine learning to this problem. A survey of WePS workshops dedicated to this task will also be presented.

2. Honest Evaluation of Classification Models
   Jose A. Lozano, Guzman Santafe, and Inãki Inza (Intelligent Systems Group, University of the Basque Country, Spain)

   The objective of the tutorial is to give an overview on validation methods of supervised classification algorithms. The tutorial starts by presenting the most common performance measures used to evaluate supervised learning algorithm. After that the methods used to estimate the previous measures will be described in detail. We will also expose the statistical tests that can be used to compare several supervised classification algorithms. The tutorial concludes by giving recommendations to perform honest classifier evaluation according to specific characteristics of the problem or the data set at hand as well as general best practices in classifier evaluation.

3. Support Vector Machines and Kernel Methods: Status and Challenges
   Chih-Jen Lin (National Taiwan University, Taiwan)

   Support vector machines (SVM) and kernel methods are now important machine learning techniques. In this tutorial, we first introduce some basic concepts such as maximal margin, kernel mappings, and primal dual relationships. We then discuss the training by solving optimization problems and the selection of parameters. Finally, we briefly mention some new research issues.

# Invited Talks

1. Optimal Online Prediction in Adversarial Environments
   Peter L. Bartlett (University of California at Berkeley, USA)

   In many prediction problems, including those that arise in computer security and computational finance, the process generating the data is best modeled as an adversary with whom the predictor competes. The predictor's aim is to minimize the regret, or the difference between the predictor's performance and the best performance among some comparison class, whereas the adversary aims to maximize the predictor's regret. Even decision problems that are not inherently adversarial can be usefully modeled in this way, since the assumptions are sufficiently weak that effective prediction strategies for adversarial settings are very widely applicable.

   The first part of this talk presents an example of online decision problems of this kind: a resource allocation problem from computational finance. We describe an efficient strategy with near-optimal performance.

   The second part of the talk presents results on the regret of optimal strategies. These results are closely related to finite sample analyses of prediction strategies for probabilistic settings, where the data are chosen iid from an unknown probability distribution. In particular, we show that the optimal online regret is closely related to the behavior of empirical minimization in a probabilistic setting, but with a non-iid stochastic process generating the data. This allows the application of techniques from the analysis of the performance of empirical minimization in an iid setting, which relates the optimal regret to a measure of complexity of the comparison class that is similar to the Rademacher averages that have been studied in the iid setting.

   *Biography: Peter Bartlett is a professor in the Computer Science Division and the Department of Statistics at the University of California at Berkeley. He is the co-author, with Martin Anthony, of the book Learning in Neural Networks: Theoretical Foundations, has edited three other books, and has co-authored many papers in the areas of machine learning and statistical learning theory. He has served as an associate editor of the journals Machine Learning, Mathematics of Control Signals and Systems, the Journal of Machine Learning Research, the Journal of Artificial Intelligence Research, and the IEEE Transactions on Information Theory, as a member of the editorial boards of Machine Learning, the Journal of Artificial Intelligence Research, and Foundations and Trends in Machine Learning, and as a member of the steering committees of the Conference on Computational Learning Theory and the Algorithmic Learning Theory Workshop. He has consulted to a number of organizations, including General Electric, Telstra, Polaris Wireless and SAC Capital Advisors. In 2001, he was awarded the Malcolm McIntosh Prize for Physical Scientist of the Year in Australia, for his work in statistical learning theory. He was a Miller Institute Visiting Research Professor in Statistics and Computer Science at U.C. Berkeley, a fellow, senior fellow and professor in the Research School of Information Sciences and Engineering at the Australian National University's Institute for Advanced Studies, and an honorary professor in the School of Information Technology and Electrical Engineering at the University of Queensland. His research interests include machine learning, statistical learning theory, and adaptive control.*

2. Learning without Search
   Geoff Webb (Monash University, Australia)

   Machine learning is classically conceived as search through a hypothesis space for a hypothesis that best fits the training data. In contrast, naive Bayes performs no search, extrapolating an estimate of a high-order conditional probability by composition from lower-order conditional probabilities. In this talk I show how this searchless approach can be generalised, creating a family of learners that provide a principled method for controlling the bias/variance trade-off. At one extreme very low variance can be achieved as appropriate for small data. Bias can be decreased with larger data in a manner that ensure Bayes optimal asymptotic error. These algorithms have the desirable properties of

   - training time that is linear with respect to training set size,
   - supporting parallel and anytime classification,
   - allowing incremental learning,
   - providing direct prediction of class probabilities,
   - supporting direct handling of missing values, and
   - robust handling of noise.

   Despite being generative, they deliver classification accuracy competitive with state-of-the-art discriminative techniques.

   *Biography: Geoff Webb holds a research chair in the Faculty of Information Technology at Monash University, where he heads the Centre for Research in Intelligent Systems. Prior to Monash he held appointments at Griffith University and then Deakin University, where he received a personal chair. His primary research areas are machine learning, data mining, and user modelling. He is known for the development of numerous methods, algorithms and techniques for machine learning, data mining and user modelling. His commercial data mining software, Magnum Opus, incorporates many techniques from his association discovery research. Many of his learning algorithms are included in the widely-used Weka machine learning workbench. He is editor-in-chief of the highest impact data mining journal, Data Mining and Knowledge Discovery, co-editor of the Encyclopedia of Machine Learning (to be published by Springer), a member of the advisory board of Statistical Analysis and Data Mining and a member of the editorial boards of Machine Learning and ACM Transactions on Knowledge Discovery in Data.*

3. Kernel Method for Bayesian Inference
   Kenji Fukumizu (The Institute of Statistical Mathematics, Japan)

   Since the proposal of support vector machine, various kernel methods have been extensively developed as nonlinear extensions or "kernelization" of classical linear methods. More recently, however, it has become clear that a potentially more reaching use of kernels is a linear way of dealing higher order statistics by embedding distributions as the form of means in reproducing kernel Hilbert spaces (RKHS) and by considering linear operators among them.

   This talk will present how general Bayesian inference can be realized based on this recent recognition of the kernel method. First, I will explain the kernel method for expressing conditional probabilities by the kernel covariance operators of the distributions. Second, it will be shown that the general Bayes' rule, which is the center of Bayesian inference, is realized by operations on the kernel expression of the conditional probability and the prior represented as the mean in RKHS. The kernel mean of the posterior is obtained by Gram matrix computations to realize the procedure of Bayes' rule: constructing the joint probability and its normalization. The rate of convergence of the empirical kernel estimate to the true posterior is also derived.

   As an application, I will discuss kernel nonparametric HMM, in which the conditional probabilities to define the HMM model are neither given in a specific form nor estimated with a parametric model, but given in the form of finite samples. By sequential application of the kernel Bayes' rule, it will be shown with some experiments that the hidden states can be sequentially estimated nonparametrically.

   *Biography: Kenji Fukumizu is a professor in the Department of Statistical Modeling at The Institute of Statistical Mathematics, where he serves as director of the Research Innovation Center. Prior to the current institute, he worked as a researcher in the Research and Development Center, Ricoh Co., Ltd. and the Institute of Physical and Chemical Research (RIKEN). He was a visiting scholar at the Department of Statistics, UC Berkeley, and a Humboldt fellow at Max Planck Institute for Biological Cybernetics. He serves as an associate editor of the journals, Annals of the Institute of Statistical Mathematics, Neural Networks, and Foundations and Trends in Machine Learning. His research interests include machine learning and mathematical statistics. He has co-authored a book on singular statistical models, and has authored a book on kernel methods (to be published in 2010).*

## Accepted Posters

1. Utilizing Fuzzy-SVM and a Subject Database to Reduce the Calibration Time of P300-based BCI
   Sercan Taha Ahi, Tokyo Institute of Technology; Natsue Yoshimura, Tokyo Institute of Technology; Hiroyuki Kambara, Tokyo Institute of Technology; Yasuharu Koike, Tokyo Institute of Technology

2. Feature Selection for Reinforcement Learning: Evaluating Implicit State-reward Dependency via Conditional Mutual Information
   Hirotaka Hachiya, Tokyo Institute of Technology; Masashi Sugiyama, Tokyo Institute of Technology

3. Dependence Minimizing Regression with Model Selection for Non-linear Causal Inference under Non-Gaussian Noise
   Makoto Yamada, Tokyo Institute of Technology; Masashi Sugiyama, Tokyo Institute of Technology

4. Joint Unsupervised Learning of Parallel Sequence Alignment and Segmentation
   Mark Fishel, University of Tartu

5. Multi-class Subgroup Discovery
   Tarek Abudawood, University of Bristol; Peter Flach, University of Bristol

6. A Comparison of CNF with CRF in Named Entity Recognition Task
   Kei Uchiumi, Yahoo Japan Corporation; Keigo Machinaga, Yahoo Japan Corporation; Toshiyuki Maezawa, Yahoo Japan Corporation; Toshinori Satou, Yahoo Japan Corporation

7. Multiscale-bagging with Applications to Classification
   Masayoshi Aoki, Tokyo Institute of Technology; Takafumi Kanamori, Nagoya University; Hidetoshi Shimodaira, Tokyo Institute of Technology

8. Contrasting Correlations by an Efficient Double-clique Search Method
   Aixiang Li, Hokkaido University; Makoto Haraguchi, Hokkaido University

9. Model-induced Regularization
   Shinichi Nakajima, Nikon Corporation; Masashi Sugiyama, Tokyo Institute of Technology

10. Slice Sampling on Chinese Restaurant Process
    Takaki Makino, University of Tokyo

11. Interactive Behavior Adaptation through Dialogue Based on Bayesian Network
    Saifuddin Md. Tareeq, The Graduate University for Advanced Studies; Tetsunari Inamura, National Institute of Informatics

12. Maximum Volume Clustering
    Gang Niu, Nanjing University; Bo Dai, Chinese Academy of Science; Lin Shang, Nanjing University; Masashi Sugiyama, Tokyo Institute of Technology

13. Withdrawn

## General Chair

- Takashi Washio (Osaka University, Japan)

## Program Committee Co-chairs

- Masashi Sugiyama (Tokyo Institute of Technology, Japan)
- Qiang Yang (Hong Kong University of Science and Technology, China)

## Local Arrangement Chair

- Hirotaka Hachiya (Tokyo Institute of Technology, Japan)

## ACML Steering Committee Co-chairs

- Hiroshi Motoda (AFOSR/AOARD and Osaka University, Japan)
- Zhi-Hua Zhou (Nanjing University, China)

## ACML Steering Committee

- Tom Detterich (Oregon State University, USA)
- Tu Bao Ho (JAIST, Japan)
- Bernhard Pfahringer (Waikato University, New Zealand)
- Takashi Washio (Osaka University, Japan)
- Geoff Webb (Monash University, Australia)
- Qiang Yang (Hong Kong University of Science and Technology, China)

## Senior Program Committee

- Sung-Bae Cho (Yonsei University, Korea)
- Wei Fan (IBM T.J.Watson Research, USA)
- Eibe Frank (University of Waikato, New Zealand)
- Joaõ Gama (University of Porto, Portugal)
- James Kwok (Hong Kong University of Science and Technology, China)
- Hang Li (Microsoft Research Asia, China)
- Charles Ling (University of Western Ontario, Canada)
- Chih-Jen Lin (National Taiwan University, Taiwan)
- Huan Liu (Arizona State University, USA)
- Yuji Matsumoto (Nara Institute of Science and Technology, Japan)
- Katharina Morik (University of Dortmund, Germany)
- Klaus-Robert Müller (Technical University Berlin, Germany)

- Kai Ming Ting (Monash University, Australia)
- Koji Tsuda (National Institute of Advanced Industrial Science and Technology, Japan)
- Jean-Philippe Vert (Mines ParisTech, France)
- Sethu Vijayakumar (University of Edinburgh, UK)
- Limsoon Wong (National University of Singapore, Singapore)
- Kenji Yamanishi (University of Tokyo, Japan)
- Changshui Zhang (Tsinghua University, China)

## Program Committee

- Shin Ando (Gunma University)
- Peter Andreae (Victoria University of Wellington)
- Annalisa Appice (University of Bari)
- Marta Arias (Universitat Politecnica de Catalunya)
- Antonio Bahamonde (Universidad de Oviedo at Gijon)
- Daniel Berrar (Tokyo Institute of Technology)
- Gilles Bisson (CNRS)
- Christian Bockermann (Technical University of Dortmund)
- Gilles Blanchard (Weierstrass Institute for Applied Analysis and Stochastics)
- Wray Buntine (NICTA)
- Tru Hoang Cao (Ho Chi Minh City University of Technolgoy)
- Songcan Chen (Nanjing University of Aeronautics & Astronautics)
- Xilin Chen (Institute of Computing Technology, Chinese Academy of Sciences)
- Li Cheng (TTI-Chicago)
- Hong Cheng (Chinese University of Hong Kong)
- Jian Cheng (Institute of Automation, Chinese Academy of Sciences)
- Mingmin Chi (Fudan University)
- Yun Chi (NEC Laboratories America)
- Marco Cuturi (Princeton University)
- Alfredo Cuzzocrea (ICAR-CNR and University of Calabria)
- Andre de Carvalho (Universidade de Sao Paulo)
- Jos del Campo-Avila (University of Malaga)
- Fazel Famili (Institute For Information Technology, National Research Council of Canada)
- Dragan Gamberger (Rudjer Boskovic Institute)
- Yang Gao (Nanjing University)
- Mao-Zu Guo (Harbin Institute of Technology)
- Yuhong Guo (Temple University)
- Hirotaka Hachiya (Tokyo Institute of Technology)
- Makoto Haraguchi (Hokkaido University)
- Kohei Hatano (Kyushu University)
- Xiaofei He (Zhejiang University)

- Kouichi Hirata (Kyushu Institute of Technology)
- Xian-Sheng Hua (Microsoft Research Asia)
- Tsuyoshi Ide (IBM Research, Tokyo Research Laboratory)
- Akihiro Inokuchi (Osaka University)
- Tomoharu Iwata (NTT)
- Kietz Jorg-Uwe (Univ. Zurich)
- Sanjay Jain (National University of Singapore)
- Furnkranz Johannes (TU Darmstadt)
- Hisashi Kashima (University of Tokyo)
- Tsuyoshi Kato (Ochanomizu University)
- Yanai Keiji (University of Electro-Communications)
- Yamazaki Keisuke (Tokyo Institute of Technology)
- Kristian Kersting (Fraunhofer IAIS and University of Bonn)
- Akisato Kimura (NTT)
- Manabu Kimura (Tokyo Institute of Technology)
- Stefan Kramer (Technische Universitat Munchen)
- Nicole Kramer (Weierstrass Institute for Applied Analysis and Stochastics)
- Rui Kuang (University of Minnesota)
- Tetsuji Kuboyama (Gakushuin University)
- Vincent Lemaire (Orange Labs R&D)
- Chun-hung Li (Hong Kong Baptist University)
- Gang Li (Deakin University)
- Guo-Zheng Li (Tongji University)
- Jinyan Li (Nanyang Technological University)
- Ming Li (Nanjing University)
- Tao Li (Florida International University)
- Xiaoli Li (Infocomm)
- Xue Li (The University of Queensland)
- Xuelong Li (University of London)
- Zhouchen Lin (Microsoft Research Asia)
- Hiroshi Mamitsuka (Kyoto University)
- Michael May (Fraunhofer IAIS)
- Shin-ichi Minato (Hokkaido University)
- Dunja Mladenic (Jozef Stefan Institute)
- Daichi Mochihashi (NTT)
- Tetsuro Morimura (IBM Research, Tokyo Research Laboratory)
- Hiroshi Nakagawa (University of Tokyo)
- Shinichi Nakajima (Nikon Corporation)
- See-Kiong Ng (Institute for Infocomm Research, A*STAR)
- Shigeyuki Oba (Kyoto University)
- Tomonobu Ozaki (Kobe University)
- Junfeng Pan (Google)
- Seong-Bae Park (Kyungpook National University)

- Yvan Saeys (Ghent University)
- Jun Sakuma (Tsukuba University)
- Taisuke Sato (Tokyo Institute of Technology)
- Nazha Selmaoui (PPME/ERIM)
- Jun Sese (Ochanomizu University)
- Rudy Setiono (National University of Singapore)
- Dou Shen (Microsoft adCenter Labs)
- Masashi Shimbo (NAIST)
- Shohei Shimizu (Osaka University)
- Hyunjung (Helen) Shin (Ajou University)
- Le Song (Carnegie Mellon University)
- Eduardo Spinosa (Federal University of Parana)
- Jian-Tao Sun (Microsoft Research Asia)
- Taiji Suzuki (University of Tokyo)
- Ichiro Takeuchi (Nagoya Institute of Technology)
- Ah-Hwee Tan (Nanyang Technological University)
- Dacheng Tao (Nanyang Technological University)
- Alexandre Termier (LIG, University of Grenoble)
- Ryota Tomioka (University of Tokyo)
- Ivor Tsang (Nanyang Technological University)
- Vincent S. Tseng (National Cheng Kung University)
- Yuta Tsuboi (IBM Research, Tokyo Research Laboratory)
- Takeaki Uno (National Institute of Informatics (NII) of JAPAN)
- Fei Wang (Florida International University)
- Hansheng Wang (Peking University)
- Jun Wang (Syracuse University)
- Lei Wang (The Australian National University)
- Liwei Wang (Peking University)
- Shijun Wang (U.S. National Institutes of Health)
- Xizhao Wang (Hebei University)
- Gui-Rong Xue (Shanghai Jiaotong University)
- Takehisa Yairi (University of Tokyo)
- Makoto Yamada (Tokyo Institute of Technology)
- Shuicheng Yan (NUS/ECE)
- Jun Yan (Microsoft Research Asia)
- Xifeng Yan (University of California at Santa Barbara)
- Jieping Ye (Arizon State University)
- Jie (Jessie) Yin (CSIRO ICT Centre)
- Kai Yu (NEC Lab America)
- Lei Yu (Binghamton University)
- Shipeng Yu (Siemens)
- Filip Zelezny (Czech Technical University in Prague)
- Bo Zhang (Tsinghua University)

- Dell Zhang (Birkbeck, University of London)
- Daoqiang Zhang (Nanjing University of Aeronautics and Astronautics)
- Harry Zhang (University of New Brunswick)
- Junping Zhang (Fudan University)
- Kai Zhang (Lawrence Berkeley National Lab)
- Kun Zhang (Helsinki University of Technology)
- Min-Ling Zhang (Hohai University)
- Zhongfei (Mark) Zhang (SUNY Binghampton)
- Yan Zhou (University of South Alabama)
- Xingquan Zhu (Florida Atlantic University)