

## ADMA 2006 Program (14-16 August)

Time	Activity			Place
13 August				
Whole Day	Registration			West Capital Hotel
18:30	ADMA06 Function: Reception			West Capital Hotel
14 August				
8:30	ADMA06 Open Ceremony			West Capital Hotel
10:00	Tea Break			Hall Room
10:30	<b>Keynote Speech: Warehousing and Mining Massive RFID Data Sets</b>			Main Theatre
	<b>Speaker: Jiawei Han, Chair: Osmar Zaiane</b>			
12:00	Lunch (included)			West Capital Hotel
13:30-15:30	Session 1A: Association Rules	Session 2A: Text Mining and Classification	Session 3A: Novel Algorithms	
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room	
	Chair: Yonghong Peng	Chair: Tingting He	Chair: Huaxiang Zhang	
13:30	Topic: A Fast Algorithm for Maintenance of Association Rules in Incremental Databases (p56)	Topic: Semantic Scoring Based on Small-World Phenomenon for Feature Selection in Text Mining (p636)	Topic: A Novel P2P Information Clustering and Retrieval Mechanism (p364)	
	Speaker: Xin Li, Zhi-Hong Deng, Shiwei Tang	Speaker: Chong Huang, Yonghong Tian, Tiejun Huang, Wen Gao	Speaker: Huaxiang Zhang, Peide Liu	
13:50	Topic: Extending OLAP with Fuzziness for Effective Mining of Fuzzy Multidimensional Weighted Association Rules (p64)	Topic: A Comparative Study on Text Clustering Methods (p644)	Topic: Keeping Track of Customer Life Cycle to Build Customer Relationship (p372)	
	Speaker: Mehmet Kaya, Reda Alhajj	Speaker: Yan Zheng, Xiaochun Cheng, Ronghuai Huang, Yi Man	Speaker: Sung Ho Ha, Sung Min Bae	
14:10	Topic: Incremental Maintenance of Association Rules Based on Multiple Previously Mined Results (p72)	Topic: Concept Based Text Classification Using Labeled and Unlabeled Data (p652)	Topic: Mining of Flexible Manufacturing System Using Work Event Logs and Petri Nets (p380)	
	Speaker: Zhuohua Duan, Zixing Cai, Yan Lv	Speaker: Ping Gu, Qingsheng Zhu, Xiping He	Speaker: Hesuan Hu, Zhiwu Li, Anrong Wang	
14:30	Topic: Mining and Validation of Localized Frequent Web Access Patterns with Dynamic Tolerance (p80)	Topic: Learning Semantic User Profiles from Text (p661)	Topic: Improved Genetic Algorithm for Multiple Sequence Alignment Using Segment Profiles (GASP) (p388)	
	Speaker: Olfa Nasraoui, Suchandra Goswami	Speaker: M. Degemmis, P. Lops, G. Semeraro	Speaker: Yanping Lv, Shaozi Li, Changle Zhou, Wenzhong Guo, Zhengming Xu	
14:50	Topic: SA-IFIM: Incrementally Mining Frequent Itemsets in Update Distorted Databases (p92)	Topic: Towards a Rough Classification of Business Travelers (p135)	Topic: Self-Organizing Network Evolving Model for Mining Network Community Structure (p404)	
	Speaker: Jinlong Wang, Congfu Xu, Hongwei Dan, Yunhe Pan	Speaker: Rob Law, Thomas Bauer, Karin Weber, Tony Tse	Speaker: Bo Yang	
15:10	Topic: Study of Positive and Negative Association Rules Based on Multi-confidence and Chi-squared Test (p100)	Topic: Feature Extraction Based on Optimal Discrimination Plane in ECG Signal Classification (p143)	Topic: An Interactive Visualization Environment for Data Exploration Using Points of Interest (p416)	
	Speaker: Xiangjun Dong, Fengrong Sun, Xiqing Han, Ruilian Hou	Speaker: Dingfei Ge, Xiao Qu	Speaker: David DA Costa, Gilles Venturini	
15:30	Tea Break			Hall Room
16:00 – 18:30	Session 1B: Association Rules and Sequential & Time Series Mining	Session 2B: Classification	Session 3B: Novel Algorithms	
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room	
	Chair: Ashkan Sami	Chair: Xiangjun Dong	Chair: Zhanhui Li	
16:00	Topic: Efficiently Mining Maximal Frequent Mutually Associated Patterns (p110)	Topic: Music Style Classification in Novel Bayesian Model (p150)	Topic: Forecasting the Volatility of Stock Price Index (p424)	
	Speaker: Zhongmei Zhou, Zhaohui Wu, Chunshan Wang, Yi Feng	Speaker: Yatong Zhou, Taiyi Zhang, Jiancheng Sun	Speaker: Tae Hyup Roh	
16:20	Topic: Efficiently Mining Mutually and Positively Correlated Patterns (p118)	Topic: Classification of Polarimetric SAR Data Based on Multidimensional Watershed Clustering (p157)	Topic: ExMiner: An Efficient Algorithm for Mining Top-K Frequent Patterns (p436)	
	Speaker: Zhongmei Zhou, Zhaohui Wu, Chunshan Wang, Yi Feng	Speaker: Wen Yang, Hao Wang, Yongfeng Cao, Haijian Zhang	Speaker: Tran Minh Quang, Shigeru Oyanagi, Katsuhiko Yamazaki	
16:40	Topic: Fast Discovery of Time-Constrained Sequential Patterns Using Time-Indexes (p693)	Topic: An Effective Combination Based on Class-Wise Expertise of Diverse Classifiers for Predictive Toxicology Data Mining (p165)	Topic: A Unified Strategy of Feature Selection (p457)	
	Speaker: Ming-Yen Lin, Sue-Chen Hsueh, Chia-Wen Chang	Speaker: Daniel Neagu, Gongde Guo, Shanshan Wang	Speaker: Peng Liu, Naijun Wu, Jiaxian Zhu, Junjie Yin, Wei Zhang	

17:00	Topic: Multi-dimensional Sequential Pattern Mining Based on Concept Lattice (p702)	Topic: Robust Collective Classification with Contextual Dependency Network Models (p173)	Topic: Experimental Comparison of Feature Subset Selection Using GA and ACO Algorithm (p465)	
	Speaker: Yang Jin, Wanli Zuo	Speaker: Yonghong Tian, Tiejun Huang, Wen Gao	Speaker: Keunjoon Lee, Jinu Joo, Jihoon Yang, Vasant Honavar	
17:20	Topic: Mining Time-delayed Coherent Patterns in Time Series Gene Expression Data (p711)	Topic: A Performance Study of Gaussian Kernel Classifiers for Data Mining Applications (p189)	Topic: OMVD: An Optimization of MVD (p473)	
	Speaker: Linjun Yin, Guoren Wang, Keming Mao, Yuhai Zhao	Speaker: Miyong Shin	Speaker: Zhi He, Shengfeng Tian, Houkuan Huang	
17:40	Topic: Mining Delay in Streaming Time Series of Industrial Process (p723)	Topic: TTLSC — Transductive Total Least Square Model for Classification and Its Application in Medicine (p197)	Topic: ZED: Explaining Temporal Variations in Query Volume (p485)	
	Speaker: Haijie Gu, Gang Rong	Speaker: Qun Song, Tian Min Ma, Nikola Kasabov	Speaker: Maojin Jiang, Shlomo Argamon, Abdur Chowdhury, Kush Sidhu	
18:00	Topic: Segmental Semi-Markov Model Based Online Series Pattern Detection Under Arbitrary Time Scaling (p731)	Topic: Forecasting Electricity Market Price Spikes Based on Bayesian Expert with Support Vector Machines (p205)	Topic: An Effective Multi-level Algorithm for Bisecting Graph (p493)	
	Speaker: Guangjie Ling, Yuntao Qian, Sen Jia	Speaker: Wei Wu, Jianzhong Zhou, Li Mo, Chengjun Zhu	Speaker: Ming Leng, Songnian Yu	
15 August				
8:30	<b>Keynote Speech: Self-Organising Map Techniques for Graph Data Applications to Clustering of XML Documents</b>			Main Theatre
	Speaker: Ah Chung Tsoi, Chair: Xue Li			
10:00	Tea Break			Hall Room
10:30	<b>Keynote Speech: Data Strategy and the New Sciences Underlying the Internet</b>			Main Theatre
	Speaker: Usama Fayyad, Chair: Chengqi Zhang			
12:00	Lunch (included)			West Capital Hotel
13:30-15:30	Session 1C: Sequential & Time Series Mining and Advanced Applications	Session 2C: Classification and Security & Privacy Issues	Session 3C: Novel Algorithms	
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room	
	Chair: Yonghong Peng	Chair: Nasrullah Memon	Chair: Jangsun Baek	
13:30	Topic: Diagnosis of Inverter Faults in PMSM DTC Drive Using a Time-Series Data Mining Technique (p741)	Topic: Integrating Local One-Class Classifiers for Image Retrieval (p213)	Topic: A New Polynomial Time Algorithm for Bayesian Network Structure Learning (p501)	
	Speaker: Dan Sun, Jun Meng, Zongyuan He	Speaker: Yiqing Tu, Gang Li, Honghua Dai	Speaker: Sanghack Lee, Jihoon Yang, Sungyong Park	
13:50	Topic: Applications of Data Mining Time Series to Power Systems Disturbance Analysis (p749)	Topic: Distance Guided Classification with Gene Expression Programming (p239)	Topic: Personalized Recommendation Based on Partial Similarity of Interests (p509)	
	Speaker: Jun Meng, Dan Sun	Speaker: Lei Duan, Changjie Tang, Tianqing Zhang, Dagang Wei, Huan Zhang	Speaker: Ming-Hua Yang, Zhi-Min Gu	
14:10	Topic: Mining Compressed Sequential Patterns (p761)	Topic: Research on Multi-valued and Multi-labeled Decision Trees (p247)	Topic: A Fast Implementation of the EM Algorithm for Mixture of Multinomials (p517)	
	Speaker: Lei Chang, Dongqing Yang, Shiwei Tang, Tengjiao Wang	Speaker: Hong Li, Rui Zhao, Jianer Chen, Yao Xiang	Speaker: Jan Peter Patist	
14:30	Topic: On Similarity of Financial Data Series Based on Fractal Dimension (p782)	Topic: Profile-based Security Against Malicious Mobile Agents (p1017)	Topic: A Novel Approach to Pattern Recognition Based on PCA-ANN in Spectroscopy (p525)	
	Speaker: Jian-rong Hou, Hui Zhao, Pei Huang	Speaker: Hua Li, Glenna Greene, Rafael Alonso	Speaker: Xiaoli Li, Yong He	
14:50	Topic: CBR-based Knowledge Discovery on Results of Evolutionary Design of Logic Circuits (p881)	Topic: A Comprehensive Categorization of DDoS Attack and DDoS Defense Techniques (p1025)	Topic: Semi-supervised Dynamic Counter Propagation Network (p533)	
	Speaker: Shuguang Zhao, Mingying Zhao, Jin Li, Change Wang	Speaker: Usman Tariq, ManPyo Hong, Kyung-suk Lhee	Speaker: Yao Chen, Yuntao Qian	
15:10	Topic: Data Summarization Approach to Relational Domain Learning Based on Frequent Pattern to Support the Development of Decision Making (p889)	Topic: Structural Analysis and Mathematical Methods for Destabilizing Terrorist Networks Using Investigative Data Mining (p1037)	Topic: The Practical Method of Fractal Dimensionality Reduction Based on Z-ordering Technique (p542)	
	Speaker: Rayner Alfred, Dimitar Kazakov	Speaker: Nasrullah Memon, Henrik Legind Larsen	Speaker: Guanghui Yan, Zhanhuai Li, Liu Yuan	
15:30	Tea Break			Hall Room
16:00-18:00	Session 1D: Advanced Applications	Session 2D: Security & Privacy Issues and Biomedical Mining	Session 3D: Novel Algorithms	
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room	
	Chair: Ada Fu	Chair: Rob Law	Chair: Osmar Zaiane	
16:00	Topic: Extreme Value Dependence in Problems with a Changing Causation Structure (p899)	Topic: Alert Correlation Analysis in Intrusion Detection (p1049)	Topic: Feature Selection for Complex Patterns (p550)	
	Speaker: Marlon Núñez, Rafael Morales	Speaker: Moon Sun Shin, Kyeong Ja Jeong	Speaker: Peter Schenkel, Wanqing Li, Wanquan Liu	

16:20	Topic: A Study on Object Recognition Technology using PCA in the Variable Illumination (p911)	Topic: Co-expression Gene Discovery from Microarray for Integrative Systems Biology (p809)	Topic: Naïve Bayesian Tree Pruning by Local Accuracy Estimation (p558)
	Speaker: Jong-Min Kim, Hwan-Seok Yang	Speaker: Yutao Ma, Yonghong Peng	Speaker: Zhipeng Xie
16:40	Topic: Pattern Recurring in Three-Dimensional Graph Based on Data Mining (p919)	Topic: Cardiovascular Disease Diagnosis Method by Emerging Patterns (p819)	Topic: A New Visualization Method for Patent Map: Application to Ubiquitous Computing Technology (p566)
	Speaker: Yanbing Liu, Menghao Wang	Speaker: Heon Gyu Lee, Kiyong Noh, Bum Ju Lee, Ho-Sun Shon, Keun Ho Ryu	Speaker: Jong Hwan Suh, Sang Chan Park
17:00	Topic: Mining the Useful Skyline Set Based on the Acceptable Difference (p927)	Topic: DNA Microarray Data Clustering by Hidden Markov Models and Bayesian Information Criterion (p827)	Topic: Local Linear Logistic Discriminant Analysis with Partial Least Square Components (p574)
	Speaker: Zhenhua Huang, Wei Wang	Speaker: Phasit Charoenkwan, Aompilai Manorat, Jeerayut Chaijaruwanch, Sukon Prasitwattanaseree, Sakarindr Bhumiratana	Speaker: Jangsun Baek, Young Sook Son
17:20	Topic: Modeling Information-Sharing Behaviors in BitTorrent System Based on Real Measurement (p934)	Topic: Application of Factor Analysis on Mycobacterium Tuberculosis Transcriptional Responses for Drug Clustering, Drug Target and Pathway Detections (p835)	Topic: Activity Mining: Challenge and Prospects (p582)
	Speaker: Jinkang Jia, Changjia Chen	Speaker: Jeerayut Chaijaruwanch, Jamlong Khamphachua, Sukon Prasitwattanaseree, Saradee Warit, Prasit Palittapongarnpim	Speaker: Longbing Cao
17:40	Topic: Financial Distress Prediction Based on Similarity Weighted Voting CBR (p947)	Topic: First Steps to an Audio Ontology-Based Classifier for Telemedicine (p845)	Topic: Finding the Optimal Cardinality Value for Information Bottleneck Method (p594)
	Speaker: Jie Sun, Xiao-Feng Hui	Speaker: Cong Phuong Nguyen, Ngoc Yen Pham, Eric Castelli	Speaker: Gang Li, Dong Liu, Yiqing Tu, Yangdong Ye
18:30	<b>Conference Banquet (Ticket Required)</b>		West Capital Hotel
<b>16 August</b>			
8:00	<b>Invited Speech: Learning with Local Drift Detection</b>		Main Theatre
	<b>Speaker: Joao Gama, Chair: Jian Chen</b>		
9:00	<b>Invited Speech: Finding Time Series Discords Based on Haar Transform</b>		Main Theatre
	<b>Speaker: Ada Fu, Chair: Osmar Zaiane</b>		
10:00	Tea Break		Hall Room
10:30-12:00	<b>Session 1E: Advanced Applications</b>	<b>Session 2E: Biomedical Mining and Multimedia Mining</b>	<b>Session 3E: Novel Algorithms and Clustering</b>
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room
	Chair: Xue Li	Chair: Ashkan Sami	Chair: Gang Li
10:30	Topic: Customer Churn Prediction by Hybrid Model (p959)	Topic: Obstacles and Misunderstandings Facing Medical Data Mining (p856)	Topic: A New Algorithm for Enumerating All Maximal Cliques in Complex Network (p606)
	Speaker: Jae Sik Lee, Jin Chun Lee	Speaker: Ashkan Sami	Speaker: Li Wan, Bin Wu, Nan Du, Qi Ye, Ping Chen
10:50	Topic: Base Vector Selection for Kernel Matching Pursuit (p967)	Topic: SVM-based Tumor Classification with Gene Expression Data (p864)	Topic: Modeling and Mining the Rule Evolution (p618)
	Speaker: Qing Li, Licheng Jiao	Speaker: Shulin Wang, Ji Wang, Huowang Chen, Boyun Zhang	Speaker: Ding Pan
11:10	Topic: WaveSim Transform for Multi-Channel Signal Data Mining through Linear Regression PCA (p977)	Topic: GEPCLASS: A Classification Rule Discovery Tool Using Gene Expression Programming (p871)	Topic: Knowledge Reduction in Inconsistent Decision Tables (p626)
	Speaker: R. Pradeep Kumar, P. Nagabhushan	Speaker: Wagner R. Weinert, Heitor S. Lopes	Speaker: Qihe Liu, Leitong Chen, Jianzhong Zhang, Fan Min
11:30	Topic: Research on Query-by-Committee Method of Active Learning and Application (p985)	Topic: Audiovisual Integration for Racquet Sports Video Retrieval (p673)	Topic: A Spatial Clustering Algorithm Based on SOFM (p255)
	Speaker: Yue Zhao, Ciwen Xu, Yongcun Cao	Speaker: Yaqin Zhao, Xianzhong Zhou, Guizhong Tang	Speaker: Zhong Qu, Lian Wang
12:00	Lunch (included)		West Capital Hotel
13:30-15:50	<b>Session 1F: Advanced Applications, Web Mining and Streaming Mining</b>	<b>Session 2F: Multimedia Mining, Spatial Mining and Clustering</b>	<b>Session 3F: Clustering</b>
	Place: #1 Presentation room	Place: #2 Presentation room	Place: #3 Presentation room
	Chair: Zhanhuai Li	Chair: Osmar Zaiane	Chair: Gang Li
13:30	Topic: Comparison of Data Pre-processing in Pattern Recognition of Milk Powder Vis/NIR Spectra (p1000)	Topic: A Correlation Approach for Automatic Image Annotation (p681)	Topic: Mining Spatial-Temporal Clusters from Geo-Databases (p263)
	Speaker: Haiyan Cen, Yidan Bao, Min Huang, Yong He	Speaker: David R. Hardoon, Craig Saunders, Sandor Szedmak, John Shawe-Taylor	Speaker: Min Wang, Aiping Wang, Anbo Li
13:50	Topic: Semi-automatic Hot Event Detection (p1008)	Topic: OSDM: Optimized Shape Distribution Method (p1057)	Topic: A Fuzzy Subspace Algorithm for Clustering High Dimensional Data (p271)
	Speaker: Tingting He, Guozhong Qu, Siwei Li, Xinhui Tu, Yong Zhang, Han Ren	Speaker: Ashkan Sami, Ryoichi Nagatomi, Makoto Takahashi, Takeshi Tokuyama	Speaker: Guojun Gan, Jianhong Wu, Ziji Yang

14:10	Topic: A Hierarchical Model of Web Graph (p790)	Topic: View-Angle of Spatial Data Mining (p1065)	Topic: Robust Music Information Retrieval on Mobile Network Based on Multi-Feature Clustering (p279)	
	Speaker: Jie Han, Yong Yu, Chenxi Lin, Dingyi Han, Gui-Rong Xue	Speaker: Suliang Wang, Haning Yuan	Speaker: Won-Jun Yoon, Sanghun Oh, Kyu-Sik Park	
14:30	Topic: Web Scale Competitor Discovery Using Mutual Information (p798)	Topic: A New Fuzzy Co-clustering Algorithm for Categorization of Datasets with Overlapping Clusters (p328)	Topic: Joint Cluster Based Co-Clustering for Clustering Ensembles (p284)	
	Speaker: Rui Li, Shenghua Bao, Jin Wang, Yuanjie Liu, Yong Yu	Speaker: William-Chandra Tjhi, Lihui Chen	Speaker: Tianming Hu, Liping Liu, Chao Qu, Sam Yuan Sung	
14:50	Topic: Maintaining Moving Sums over Data Streams (p1077)	Topic: Quantum-Behaved Particle Swarm Optimization Clustering Algorithm (p340)	Topic: Mining Gait Pattern for Clinical Locomotion Diagnosis Based on Clustering Techniques (p296)	
	Speaker: Tzu-Chiang Wu, Arbee L. P. Chen	Speaker: Jun Sun, Wenbo Xu, Bin Ye	Speaker: Guandong Xu, Yanchun Zhang, Rezaul Begg	
15:10	Topic: MFIS Mining Frequent Itemsets on Data Streams (p1085)	Topic: Clustering Mixed Data Based on Evidence Accumulation (p348)	Topic: Combining Multiple Clusterings via k-modes Algorithm (p308)	
	Speaker: Zhi-jun Xie, Hong Chen, Cuiping Li	Speaker: Huilan Luo, Fansheng Kong, Yixiao Li	Speaker: Huilan Luo, Fansheng Kong, Yixiao Li	
15:30	Topic: Improving the Performance of Data Streams Classifiers by Mining Recurring Contexts (p1094)	Topic: Mining Maximal Local Conserved Gene Clusters from Microarray Data (p356)	Topic: HOV <sup>3</sup> : An Approach to Visual Cluster Analysis (p316)	
	Speaker: Yong Wang, Zhanhuai Li, Yang Zhang, Longbo Zhang, Yun Jiang	Speaker: Yuhai Zhao, Guoren Wang, Ying Yin, Guangyu Xu	Speaker: Ke-Bing Zhang, Mehmet A. Orgun, Kang Zhang	
15:50	Tea Break			Hall Room
16:00 – 17:30	<b>ADMA2006 Panel: Data Mining Hot Issues and Grand Challenges</b>			Main Theatre
	<b>Chaired by: Chengqi Zhang</b>			

ADMA2006 local organizers and sponsors offer a free trip to the World Wanderers of Terra Cotta Warriors for all Conference Attendees on 17 August 2006.

Please register this trip during your conference registration when you arrive.