

	6-Dec Sunday	7-Dec Monday	8-Dec Tuesday	9-Dec Wednesday
7:30	breakfast	breakfast	breakfast	breakfast
8:00				
8:30 AM	workshops	openning	best application paper	best research paper
9:00 AM		Keynote 1	best student paper	Keynote 3
9:30 AM		Stephen Boyd	Keynote 2	Jamie Callan
10:00 AM	coffee break	coffee break	Vipin Kumar	coffee break
10:30 AM	workshops	Paper sessions	coffee break	Paper sessions
11:00 AM		(DS, PS, SC, SDM)	ICDM Cup (Qiang Yang)	(MT, STD, STL1, WM)
11:30 AM				
12:00 PM		Tutorial 1	Panel (Haym Hirsh)	Demos
12:30 PM	Lunch break	Lunch break	Lunch break	ICDM Business Meeting
1:00 PM				(with Lunch (for All
1:30 PM				ICDM'09 Participants)
2:00 PM	workshops	Paper sessions	Paper sessions	Paper sessions
2:30 PM		(C1, NC, TSS, TUD)	(C2, DP, M2, SL1)	(G, SD, SL2, STL2)
3:00 PM				
3:30 PM		Tutorials 2, 3		Demos (continued)
4:00 PM	coffee break	coffee break	coffee break	coffee break
4:30 PM	workshops	Paper sessions	Optional Excursion	Paper sessions
5:00 PM		(M1, RSM, SSL, TM)		(AO, ISG, STL3, WSN)
5:30 PM				
6:00 PM		Tutorials 2, 3		Demos (continued)
6:30 PM		reception	Banquet	
7:00 PM	Steering Committee			
7:30 PM	Meeting			
8:00 PM	(by Invitation)			
8:30 PM				
9:00 PM				

Time	Session ID	Session title	Regular Papers	Short Papers
Monday 10:30AM-12:30PM	DS	Data Streams	902 253 566 706	
	PS	Privacy and Security	312 303	762 464 623
	SC	Subspace Clustering	214 393	459 825 868
	SDM	Scalable Data Mining	326 645 834 952	
2-4PM	C1	Clustering #1	224 401	479 499 707
	NC	Networks and Communities	864 207	465 944 879
	TSS	Time Series and Streams	325 873 939 348	
	TUD	Mining Text and Unstructured Data		287 938 545 917 750 437
4:30-6:30PM	M1	Miscellaneous #1	861 407 416 890	
	RSM	Regression and Sparse Metric Learning	263 321	970 972 809
	SSL	Semi-Supervised Learning	229 467 843 920	
	TM	Topic Modeling		302 813 355 955 697 781
Tuesday 2-4PM	C2	Clustering #2	434 275	877 953 926
	DP	Distributed and Parallel Data Mining	349 538 238	422 947
	M2	Miscellaneous #2	829 887	652 476 704
	SL1	Supervised Learning #1	340 384	379 823 714
Wednesday 10:30AM-12:30PM	MT	Matrix and Tensor	817 747	469 624 223
	STD	Spatial and Temporal Data Mining	332 858	618 791 937
	STL1	Statistical Learning #1	832 769	245 300 304
	WM	Web Mining	311 453 472 629	
2-4PM	G	Graphs	353 722	446 783 440
	SD	Mining Scientific Data	461 585	423 313 343
	SL2	Supervised Learning #2	556 420 481 965	
	STL2	Statistical Learning #2	756 910 787 612	
4:30-6:40PM	AO	Anomaly and Outliers	534 790 308	796 431
	ISG	Itemsets, Sequences, and Graphs		474 975 374 776 650 901
	STL3	Statistical Learning #3	820	748 592 648 502 466
	WSN	Web and Social Network	329 487	334 663 911

Day	Time	Session ID	Session	Title	Authors	Type
Monday	10:30AM-12:30PM	D5	Data Streams	Discovering Excitatory Networks from Discrete Event Streams with Applications to Neuronal Spike Train Analysis	Debraksh Patnaik, Srivatsan Laxman, and Naren Ramakrishnan	Regular
Monday	10:30AM-12:30PM	D5	Data Streams	Finding Time Series Motifs in Disk-Resident Data	Emamon Keogh and Abdullah Mueen	Regular
Monday	10:30AM-12:30PM	D5	Data Streams	Self-Adaptive Anytime Stream Clustering	Philipp Kranen, Ira Assent, Corinna Baldauf, and Thomas Seidl	Regular
Monday	10:30AM-12:30PM	D5	Data Streams	Fast Online Training of Ramp Loss Support Vector Machines	Zhuang Wang and Slobodan Vucetic	Regular
Monday	10:30AM-12:30PM	P5	Privacy and Security	A Framework for Computing the Privacy Scores of Users in Online Social Networks	Kun Liu and Evimaria Terzi	Regular
Monday	10:30AM-12:30PM	PS	Privacy and Security	Unified Solution to Nonnegative Data Factorization Problems	XiaoBai Liu, Shuicheng Yan, and Hai Jin	Regular
Monday	10:30AM-12:30PM	PS	Privacy and Security	On the (In)Security and (Im)Practicality of Outsourcing Precise Association Rule Mining	Ian Molloy, Ninghui Li, and Tiancheng Li	Short
Monday	10:30AM-12:30PM	PS	Privacy and Security	Fine-Grain Perturbation for Privacy Preserving Data Publishing	Rhonda Chaytor, Ke Wang, and Patricia Brantingham	Short
Monday	10:30AM-12:30PM	PS	Privacy and Security	Effective Anomaly Detection in Sensor Network Data Streams	Budhaditya Saha, Duc Son Pham, Mihai Lazarescu, and Sveetha Venkatesh	Short
Monday	10:30AM-12:30PM	SC	Subspace Clustering	Relevant Subspace Clustering: Mining the Most Interesting Non-Redundant Concepts in High-Dimensional Data	Emmanuel Müller, Ira Assent, Stephan Günemann, Ralph Krieger, and Thomas Seidl	Regular
Monday	10:30AM-12:30PM	SC	Subspace Clustering	Learning the Shared Subspace for Multi-Task Clustering and Transductive Transfer Classification	Quanguan Gu and Jie Zhou	Regular
Monday	10:30AM-12:30PM	SC	Subspace Clustering	PUB: A Class Description Technique based on Partial Coverage of Subspace	Ardian Kristanto Poernomo and Vivekanand Gopalkrishnan	Short
Monday	10:30AM-12:30PM	SC	Subspace Clustering	Projective Clustering Ensembles	Carlotta Domeniconi, Francesco Gullo, and Andrea Tagarelli	Short
Monday	10:30AM-12:30PM	SC	Subspace Clustering	Bayesian Overlapping Subspace Clustering	Qiang Fu and Arindam Banerjee	Short
Monday	10:30AM-12:30PM	SDM	Scalable Data Mining	Scalable Classification in Large Scale Spatiotemporal Domains Applied to Voltage-Sensitive Dye Imaging	Igor Vainer, Sarit Kraus, Gal Kaminka, and Hamatul Slovin	Regular
Monday	10:30AM-12:30PM	SDM	Scalable Data Mining	Scalable Algorithms for Distribution Search	Yasuko Matsubara, Yasushi Sakurai, and Masatoshi Yoshikawa	Regular
Monday	10:30AM-12:30PM	SDM	Scalable Data Mining	Audio Classification of Bird Species: a Statistical Manifold Approach	Forrest Briggs, Raviv Raich, and Xiaoli Fern	Regular
Monday	10:30AM-12:30PM	SDM	Scalable Data Mining	Efficient Discovery of Confounders in Large Data Sets	Wenjun Zhou and Hui Xiong	Regular
Monday	2-4PM	C1	Clustering #1	On K-Means Cluster Preservation using Quantization Schemes	Deepak Turaga, Michalis Vlachos, and Olivier Verscheure	Regular
Monday	2-4PM	C1	Clustering #1	Cross-Guided Clustering: Transfer of Relevant Supervision across Domains for Improved Clustering	Indrajit Bhattacharya, Shantanu Godbole, Sachindra Joshi, and Ashish Verma	Regular
Monday	2-4PM	C1	Clustering #1	Maximum Margin Clustering on Data Manifolds	Fei Wang, Xin Wang, and Tao Li	Short
Monday	2-4PM	C1	Clustering #1	A Contrast Pattern based Clustering Quality Index for Categorical Data	Qingbao Liu and Guozhu Dong	Short
Monday	2-4PM	C1	Clustering #1	A New MCA-based Divisive Hierarchical Algorithm for Clustering Categorical Data	Tengke Xiong, shengrui wang, André Mayers, and Ernest Monga	Short
Monday	2-4PM	NC	Networks and Communities	Resolving Identity Uncertainty with Learned Random Walks	ted sandler, Kobj Cramer, and Lyle Ungar	Regular
Monday	2-4PM	NC	Networks and Communities	TrBagg: A Simple Transfer Learning Method and Its Application to Personalization in Collaborative Tagging	Toshihiro Kamishima, Masahiro Hamasaki, and Shotaro Akaho	Regular
Monday	2-4PM	NC	Networks and Communities	Constraint-based Pattern Mining in Dynamic Graphs	Celine Robardet	Short
Monday	2-4PM	NC	Networks and Communities	A Fully Automated Method for Discovering Community Structures in High Dimensional Data	Jianhua Ruan	Short
Monday	2-4PM	NC	Networks and Communities	Multi Relational Network Analysis Using a Fast Random Walk with Restart	Jing Xia, Doina Caragea, and William Hsu	Short
Monday	2-4PM	TSS	Time Series and Streams	Significance of Episodes Based on Minimal Windows	Nikolaj Tatti	Regular
Monday	2-4PM	TSS	Time Series and Streams	Vague One-Class Learning for Data Streams	Xingquan Zhu	Regular
Monday	2-4PM	TSS	Time Series and Streams	Mining Data Streams with Labeled and Unlabeled Training Examples	Peng Zhang and Xingquan Zhu	Regular
Monday	2-4PM	TSS	Time Series and Streams	Inverse Time Dependency in Convex Regularized Learning	Zeyuan Zhu, Weizhu Chen, Gang Wang, and Haixun Wang	Regular
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Unsupervised Relation Extraction by Massive Clustering	Edgar González and Jordi Turmo	Short
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Large Scale Relation Acquisition Using Class Dependent Patterns	Stijn De Saeger, Kentaro Torisawa, Jun'ichi Kazama, Kow Kuroda, and Masaki Murata	Short
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Multi-Document Summarization by Information Distance	Chong Long, Minlie Huang, Xiaoyan Zhu, and Ming Li	Short
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Knowledge Discovery from Citation Networks	Zhen Guo, Zhongfei Zhang, Shenghuo Zhu, Yun Chi, and Yihong Gong	Short
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Hierarchical Bayesian Models for Collaborative Tagging Systems	Markus Buntschus, Shengyu Yu, Volker Tresp, Achim Rettinger, Mathaeus Dejori, and Hans-Peter Kriegel	Short
Monday	2-4PM	TUD	Mining Text and Unstructured Data	Joint Emotion-Topic Modeling for Social Affective Text Mining	Shenghua Bao, Shengliang Xu, Li Zhang, Rong Yan, Dingyi Han, Zhong Su, and Yong Yu	Short
Monday	4:30-6:30PM	M1	Miscellaneous #1	A Tree-based Framework for Difference Summarization	Ruoming Jin, Yuri Breitbart, and Rong Li	Regular
Monday	4:30-6:30PM	M1	Miscellaneous #1	Synthesizing Novel Dimension Reduction Algorithms in Matrix Trace Oriented Optimization Framework	Jun Yan	Regular
Monday	4:30-6:30PM	M1	Miscellaneous #1	Finding Associations and Computing Similarity via Biased Pair Sampling	Andrea Campagna and Rasmus Pagh	Regular
Monday	4:30-6:30PM	M1	Miscellaneous #1	Probabilistic Similarity Query on Dimension Incomplete Data	Wei Cheng, Xiaoming Jin, and Jian-Tao Sun	Regular
Monday	4:30-6:30PM	RSM	Regression and Sparse Metric Learning	Rule Ensembles for Multi-Target Regression	Timo Aho, Bernard Zenko, and Saso Dzeroski	Regular
Monday	4:30-6:30PM	RSM	Regression and Sparse Metric Learning	GSML: A Unified Framework for Sparse Metric Learning	Kaizhu Huang, Yiming Ying, and Colin Campbell	Regular
Monday	4:30-6:30PM	RSM	Regression and Sparse Metric Learning	Regression Learning Vector Quantization	Mihajlo Grbovic and Slobodan Vucetic	Short
Monday	4:30-6:30PM	RSM	Regression and Sparse Metric Learning	VIF Regression: A Fast Regression Algorithm For Large Data	Dongyu Lin and Dean Foster	Short
Monday	4:30-6:30PM	RSM	Regression and Sparse Metric Learning	Accelerated Gradient Method for Multi-Task Sparse Learning Problem	Xi Chen, Weike Pan, James Kwok, and Jaime Carbonell	Short
Monday	4:30-6:30PM	SSL	Semi-Supervised Learning	Semi-Markov kMeans Clustering And Activity Recognition From Body-Worn Sensors	Matthew Robards and Peter Sunehag	Regular
Monday	4:30-6:30PM	SSL	Semi-Supervised Learning	Semi-Supervised Sequence Labelling with Self-Learned Feature	YanJun Qi, Pavel P. Kuska, Ronan Collobert, Koray Kavukcuoglu, and Jason Weston	Regular
Monday	4:30-6:30PM	SSL	Semi-Supervised Learning	Semi-Supervised Multi-Task Learning with Task Regularizations	Fei Wang, Xin Wang, and Tao Li	Regular
Monday	4:30-6:30PM	SSL	Semi-Supervised Learning	Extending Semi-supervised Learning Methods for Inductive Transfer Learning	Yuan Shi, Zhen-zhong Lan, Wei Liu, and Wei Bi	Regular
Monday	4:30-6:30PM	TM	Topic Modeling	Topic Modeling for Sequences of Temporal Activities	Ping Luo, Ping Luo, Jun Sun, and Yidong Shen	Short
Monday	4:30-6:30PM	TM	Topic Modeling	Aspect Guided Text Categorization with Unobserved Labels	Dan Roth and Yuancheng Tu	Short
Monday	4:30-6:30PM	TM	Topic Modeling	Multirelational Topic Models	Jia Zeng, William Kwok-Wai Cheung, Chun-hung Li, and Jiming Liu	Short
Monday	4:30-6:30PM	TM	Topic Modeling	Modeling Syntactic Structures of Topics with a Nested HMM-LDA	Jing Jiang	Short
Monday	4:30-6:30PM	TM	Topic Modeling	Topic Distributions over Links on Web	Jie Tang, Jing Zhang, and Jeffrey Xu Yu	Short
Monday	4:30-6:30PM	TM	Topic Modeling	Promoting Total Efficiency In Text Clustering via Iterative and Interactive Metric Learning	Michinari Momma, Satoshi Morinaga, and Daisuke Komura	Short
Tuesday	2-4PM	C2	Clustering #2	Maximum Margin Clustering with Multivariate Loss Function	Bin Zhao, James Kwok, and Changshui Zhang	Regular
Tuesday	2-4PM	C2	Clustering #2	Unsupervised Class Separation of Multivariate Data through Cumulative Variance-based Ranking	Andrew Foss, Osmar Zaiane, and Sandra Zilles	Short
Tuesday	2-4PM	C2	Clustering #2	A New Clustering Algorithm Based on Regions of Influence with Self-Detection of the Best Number of Clusters	Fabrice MUELENBACH and Stephane LALLIUCH	Regular
Tuesday	2-4PM	C2	Clustering #2	Semi-supervised density-based clustering	Levi Lelis and Joerg Sander	Short
Tuesday	2-4PM	C2	Clustering #2	CoFKM : a Centralized Method for Multiple-View Clustering	Guillaume Cleuziou, Matthieu Exbrayat, Lionel Martin, and Jacques-Henri Sublemontier	Short
Tuesday	2-4PM	DP	Distributed and Parallel Data Mining	P-packSVM: Parallel Primal gradient desCent Kernel SVM	Zeyuan Zhu, Weizhu Chen, and Gang Wang	Regular
Tuesday	2-4PM	DP	Distributed and Parallel Data Mining	A Local Scalable Distributed Expectation Maximization Algorithm for Large Peer-to-Peer Networks	Kanishka Bhaduri and Ashok Srivastava	Regular
Tuesday	2-4PM	DP	Distributed and Parallel Data Mining	PEGASUS: A Peta-Scale Graph Mining System - Implementation and Observations	U Kang, CHARALAMPOS TSOURAKAKIS, and Christos Faloutsos	Regular
Tuesday	2-4PM	DP	Distributed and Parallel Data Mining	Effective Criterion Functions for Efficient Agglomerative Clustering on Very Large Networks	Yang Wang and Mingyuan An	Short
Tuesday	2-4PM	DP	Distributed and Parallel Data Mining	Parallel Pathfinder Algorithms for Mining Structures from Graphs	Samson Hauguel, ChengXiang Zhai, and Jiawei Han	Short
Tuesday	2-4PM	M2	Miscellaneous #2	Active Learning with Adaptive Heterogeneous Ensembles	Zhenyu Lu, Xindong Wu, and Josh Bongard	Regular
Tuesday	2-4PM	M2	Miscellaneous #2	Asking Generalized Queries in Active Learning	Jun Du and Charles Ling	Regular
Tuesday	2-4PM	M2	Miscellaneous #2	Online and Batch Learning of Generalized Cosine Similarities	Ali Mustafa Qamar and Eric Gaussier	Short
Tuesday	2-4PM	M2	Miscellaneous #2	Two Heads Better Than One: Metric-Active Learning and Its Applications for IT Service Classification	Fei Wang, Jimeng Sun, Tao Li, and Nikos Anerousis	Short
Tuesday	2-4PM	M2	Miscellaneous #2	Global Slope Change Synopses for Measurement Maps	Frank Rosenthal, Ulrike Fischer, Peter Benjamin Volk, and Wolfgang Lehner	Short
Tuesday	2-4PM	SL1	Supervised Learning #1	A deep non-linear feature mapping for large-margin kNN classification	Renqiang Min, David Stanley, Zineng Yuan, Anthony Bonner, and Zhaolei Zhang	Regular
Tuesday	2-4PM	SL1	Supervised Learning #1	Pecularity Analysis for Classifications	Jian Yang, Ning Zhong, Yiyu Yao, and Jue Wang	Regular
Tuesday	2-4PM	SL1	Supervised Learning #1	Naive Bayes Classification of Uncertain Data	Jiangtao Ren, Sau Dan Lee, Xianlu Chen, Ben Kao, Reynold Cheng, and David Cheung	Regular
Tuesday	2-4PM	SL1	Supervised Learning #1	Combining Super-structuring and Abstraction on Sequence Classification	Adrian Silvescu, Cornelia Caragea, and Vasant Honavar	Short
Tuesday	2-4PM	SL1	Supervised Learning #1	An L-infinity Norm Visual Classifier	Anushka Anand, Leland Wilkinson, and Dang Nhon Tuan	Short
Wednesday	10:30AM-12:30PM	MT	Matrix and Tensor	Extended Boolean Matrix Decomposition	haibing lu, Jaideep Vaidya, Vijayalakshmi Atluri, and Yuan Hong	Regular
Wednesday	10:30AM-12:30PM	MT	Matrix and Tensor	Convex Non-Negative Matrix Factorization in the Wild	Christian Thureau, Kristian Kersting, and Christian Bauckhage	Regular

Wednesday	10:30AM-12:30PM	MT	Matrix and Tensor	Feature Selection in the Tensor Product Feature Space	Aaron Smalter, Jun Huan, and Gerald Lushington	Short
Wednesday	10:30AM-12:30PM	MT	Matrix and Tensor	A bootstrap approach to eigenvalue correction	Anne Hendriks, Luuk Spreewers, and Raymond Veldhuis	Short
Wednesday	10:30AM-12:30PM	MT	Matrix and Tensor	Binomial Matrix Factorization for Discrete Collaborative Filtering	Jinlong Wu	Short
Wednesday	10:30AM-12:30PM	STD	Spatial and Temporal Data Mining	Temporal Neighborhood Discovery using Markov Models	Sandipan Dey, Vandana Janeja, and Aryya Gangopadhyay	Regular
Wednesday	10:30AM-12:30PM	STD	Spatial and Temporal Data Mining	A Sparsification Approach for Temporal Graphical Model Decomposition	Ning Ruan, Ruoming Jin, Victor Lee, and Kun Huang	Regular
Wednesday	10:30AM-12:30PM	STD	Spatial and Temporal Data Mining	Interaction-based Clustering of Multivariate Time Series	Claudia Plant, Afra Wohlschläger, and Andrew Zherdin	Short
Wednesday	10:30AM-12:30PM	STD	Spatial and Temporal Data Mining	Redistricting using Heuristic-Based Polygonal Clustering	Deepthi Joshi, Leen-Kiat Soh, and Ashok Samal	Short
Wednesday	10:30AM-12:30PM	STD	Spatial and Temporal Data Mining	Active Selection of Sensor Sites in Remote Sensing Applications	Debasish Das, Zoran Obradovic, and Slobodan Vucetic	Short
Wednesday	10:30AM-12:30PM	STL1	Statistical Learning #1	Semi-Naive Exploitation of One-Dependence Estimators	Nan Li, Yang Yu, and Zhi-Hua Zhou	Regular
Wednesday	10:30AM-12:30PM	STL1	Statistical Learning #1	Discriminative Mixed-membership Models	Hanhuai Shan, Arindam Banerjee, and Nikunj Oza	Regular
Wednesday	10:30AM-12:30PM	STL1	Statistical Learning #1	A New Kernel-based Classification Algorithm	Xiaofei Zhou, Wenhan Jiang, Yingjie Tian, Peng Zhang, and Yong Shi	Regular
Wednesday	10:30AM-12:30PM	STL1	Statistical Learning #1	Kernel Conditional Quantile Estimation via Reduction Revisited	Novi Quadrianto, Kristian Kersting, Mark Reid, Tiberio Caetano, and Wray Buntine	Short
Wednesday	10:30AM-12:30PM	STL1	Statistical Learning #1	Non-Sparse Multiple Kernel Learning for Linear Discriminant Analysis	Fei Yan	Short
Wednesday	10:30AM-12:30PM	WM	Web Mining	Uncovering Groups via Heterogeneous Interaction Analysis	Lei Tang, Xufei Wang, and Huan Liu	Regular
Wednesday	10:30AM-12:30PM	WM	Web Mining	Connecting Sparsely Distributed Similar Bloggers	Nitin Agarwal, Huan Liu, Shankara Subramanya, John Salerno, and philip yu	Regular
Wednesday	10:30AM-12:30PM	WM	Web Mining	Extracting Output Metadata from Scientific Deep Web Data Sources	Fan Wang and Gagan Agrawal	Regular
Wednesday	10:30AM-12:30PM	WM	Web Mining	Evaluating Statistical Tests for Within-Network Classifiers of Relational Data	Jennifer Neville, Brian Gallagher, and Tina Eliassi-Rad	Regular
Wednesday	2-4PM	G	Graphs	A Linear-time Graph Kernel	Shohei Hido and Hisashi Kashima	Regular
Wednesday	2-4PM	G	Graphs	Efficient Discovery of Frequent Correlated Subgraph Pairs	Yiping Ke, Sheung-Chak James Cheng, and Jeffrey Xu Yu	Regular
Wednesday	2-4PM	G	Graphs	RING: An Integrated Method for Frequent Representative Subgraph Mining	Shijie Zhang, Jiong Yang, and Shirong Li	Short
Wednesday	2-4PM	G	Graphs	Clustering with Multiple Graphs	Wei Tang, Zhengdong Lu, and Indjerit Dhillon	Short
Wednesday	2-4PM	G	Graphs	Discovering Contexts and Contextual Outliers Using Random Walks in Graphs	Xiang Wang and Ian Davidson	Short
Wednesday	2-4PM	SD	Mining Scientific Data	flowNet: Flow-based Approach for Efficient Analysis of Complex Biological Networks	Young-Rae Cho, Lei Shi, and Aidong Zhang	Regular
Wednesday	2-4PM	SD	Mining Scientific Data	Mining Peculiarity Groups in Day-by-Day Behavioral Datasets	Yun Xiong and Yangyong Zhu	Regular
Wednesday	2-4PM	SD	Mining Scientific Data	SLIDER: Mining correlated motifs in protein-protein interaction networks	Peter Boyen, Frank Neven, Dries Van Dyck, Aalt D.J. van Dijk, and Roeland C.H.J. van Ham	Short
Wednesday	2-4PM	SD	Mining Scientific Data	A Global-Model Naive Bayes Approach to the Hierarchical Prediction of Protein Functions	Carlos Silla Junior and Alex Freitas	Short
Wednesday	2-4PM	SD	Mining Scientific Data	Hierarchical Probabilistic Segmentation Of Discrete Events	Guy Shani, Christopher Meek, and Asela Gunawardana	Short
Wednesday	2-4PM	SL2	Supervised Learning #2	CoCoST: A Computational Cost Sensitive Classifier	Liyun Li, Umut Topkara, Baris Coskun, and Nasir Memon	Regular
Wednesday	2-4PM	SL2	Supervised Learning #2	Beyond Banditron: A Conservative and Efficient Reduction for Online Multiclass Prediction with Bandit Setting Mode	Guangyun Chen, Gang Chen, Jianwen Zhang, Shuo Chen, and Changshui Zhang	Regular
Wednesday	2-4PM	SL2	Supervised Learning #2	nu-Anomica: A Fast Support Vector based Novelty Detection Technique	Santanu Das, Kanishka Bhaduri, Nikunj Oza, and Ashok Srivastava	Regular
Wednesday	2-4PM	SL2	Supervised Learning #2	Least Square Incremental Linear Discriminant Analysis	Li-Ping Liu, Yuan Jiang, and Zhi-Hua Zhou	Regular
Wednesday	2-4PM	STL2	Statistical Learning #2	Stacked Gaussian Process Learning	Marion Neumann, Kristian Kersting, Zhao Xu, and Daniel Schulz	Regular
Wednesday	2-4PM	STL2	Statistical Learning #2	Non-negative Laplacian Embedding	Dijun Luo, Chris Ding, and Heng Huang	Regular
Wednesday	2-4PM	STL2	Statistical Learning #2	Improving SVM Classification on Imbalanced Data Sets in Distance Spaces	Suzan Koknar-Tezel and Longin Jan Latecki	Regular
Wednesday	2-4PM	STL2	Statistical Learning #2	Conditional Models for Non-smooth Ranking Loss Functions	Avinava Dubey, Jinesh Machchhar, Chiru Bhattacharyya, and Soumen Chakrabarti	Regular
Wednesday	4:30-6:40PM	AO	Anomaly and Outliers	Spatio-temporal Energy based Gait Recognition	Shamsher Singh and Kanad Biswas	Short
Wednesday	4:30-6:40PM	AO	Anomaly and Outliers	Outlier Detection using Inductive Logic Programming	Fabrizio Angiulli and Fabio Fassetti	Short
Wednesday	4:30-6:40PM	AO	Anomaly and Outliers	Filtering and Refinement: A Two-Stage Approach for Efficient and Effective Anomaly Detection	Xiao Yu, Lu An Tang, and Jiawei Han	Regular
Wednesday	4:30-6:40PM	AO	Anomaly and Outliers	Execution Anomaly Detection in Distributed Systems through Unstructured Log Analysis	Qiang FU, Jian-Guang LOU, Yi WANG, and Jiang LI	Regular
Wednesday	4:30-6:40PM	AO	Anomaly and Outliers	Online System Problem Detection by Mining Patterns of Console Logs	Wei Xu, Ling Huang, Armando Fox, David Patterson, and Michael Jordan	Regular
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	Finding Maximal Fully-Correlated Itemsets in Large Databases	Lian Duan and W. Nick Street	Short
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	Algorithms for Large, Sparse Network Alignment Problems	Mohsen Bayati, Margot Gerritsen, David Gleich, Amin Saberi, and Ying Wang	Short
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	Dirichlet Mixture Allocation for Multiclass Document Collections Modeling	Dacheng Tao	Short
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	Analysis of Subsequence Time-Series Clustering Based on Moving Average	Miho Ohsaki, Masakazu Nakase, and Shigeru Katagiri	Short
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	An effective approach to inverse frequent set mining	Antonella Guzzo, Domenico Sacca', and Edoardo Serra	Short
Wednesday	4:30-6:40PM	ISG	Itemsets Sequences and Graphs	Automatically Extracting Dialog Models from Conversation Transcripts	Sumit Negi, Sachindra Joshi, Anup Chalamala, and L V Subramaniam	Short
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	Argumentation based constraint acquisition	Kostyantyn Shechekotkhin and Gerhard Friedrich	Regular
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	Learning Local Components to Understand Large Bayesian Networks	Yifeng Zeng	Short
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	Permutation Tests for Studying Classifier Performance	Markus Ojala and Gemma Garriga	Short
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	A Cost-Effective LSH Filter for Fast Pairwise Mining	Gang Zhao, Yun Xiong, Xuchun Su, Longbing Cao, and Yangyong Zhu	Short
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	Sparse Norm-Regularized Reconstructive Coefficients Learning	Bin Liu, Shuo Chen, Mingjie Qian, and Changshui Zhang	Short
Wednesday	4:30-6:40PM	STL3	Statistical Learning #3	A Walk from 2-Norm SVM to 1-Norm SVM	Jussi Kujala, Timo Aho, and Tapio Elomaa	Short
Wednesday	4:30-6:40PM	WSN	Web and Social Network	GRAPE: A Graph-Based Framework for Disambiguating People Appearances in Web Search	Lili Jiang, Jianyong Wang, Ning An, Shengyuan Wang, Jian Zhan, and Lian Li	Regular
Wednesday	4:30-6:40PM	WSN	Web and Social Network	iTopicModel: Information Network-Integrated Topic Modeling	Yizhou Sun, Jiawei Han, Jing Gao, and Yintao Yu	Regular
Wednesday	4:30-6:40PM	WSN	Web and Social Network	Discovering Organizational Structure in Dynamic Social Network	jiangtao Qiu and Zhangxi Lin	Short
Wednesday	4:30-6:40PM	WSN	Web and Social Network	To Trust or Not to Trust? Predicting Online Trusts using Trust Antecedent Framework	Ee-Peng Lim, Viet-An Nguyen, Aixin Sun, Jing Jiang, and Hwee Hoon Tan	Short
Wednesday	4:30-6:40PM	WSN	Web and Social Network	Efficient Algorithms for Computing Link-based Similarity in Real World Networks	Yuanzhe Cai, Gao Cong, Xu Jia, Hongyan Liu, and Jun He	Short
Tuesday	8:30-9AM		<b>Best Application Paper</b>	<b>Clustering Trajectories of Moving Objects in an Uncertain World</b>	<b>Nikos Pelekis, Ioannis Kapanakis, Evangelos Kotsifakos, Elias Frentzos, and Yannis Theodoridis</b>	<b>Award</b>
Tuesday	9-9:30AM		<b>Best Student Paper</b>	<b>Accurate Estimation of the Degree Distribution of Private Networks</b>	<b>Michael Hay, Chao Li, Gerome Miklau, and David Jensen</b>	<b>Award</b>
Wednesday	8:30-9AM		<b>Best Research Paper</b>	<b>Explore/Exploit Schemes for Web Content Optimization</b>	<b>Deepak Agarwal, Bee-Chung Chen, and Pradheep Elang</b>	<b>Award</b>
Monday	10:30AM-12:30PM	Tutorial 1		Data Mining with Graphs and Matrices	Chris Ding, Fei Wang and Tao Li	Tutorial
Monday	2-6:30PM	Tutorial 2		Data Quality Mining Research: New Directions	Berti-Equille and Tamraparni Dasu	Tutorial
Monday	2-6:30PM	Tutorial 3		Large-scale data mining, map-reduce and beyond	Jimeng Sun, Spiros Papadimitriou and Rong Yan	Tutorial
Tuesday	11AM-12:30PM		<b>ICDM Cup</b>	<b>Pittsburgh Brain Competition Brain Connectivity Challenge</b>	<b>Qiang Yang</b>	
Tuesday	11AM-12:30PM		<b>Panel</b>	<b>Data Mining and Environmental Sustainability</b>	<b>Haym Hirsh</b>	
Wednesday	10:30AM-6:30PM		Demos	Enhancing Document Exploration with OLAP	Zhibo Chen, Carlos Garcia-Alvarado, and Carlos Ordonez	Demo
Wednesday	10:30AM-6:30PM		Demos	uRule: A Rule-based Classification System for Uncertain Data	Biao Qin, Yuni Xia, Rakesh Sathyes, Sunil Prabhakar, and Yicheng Tu	Demo
Wednesday	10:30AM-6:30PM		Demos	QueRIE: A Query Recommender System supporting Interactive Database Exploration	Sarika Mittal, Jothi Swarubini Vindiya Varman, Magdalini Eirinaki, Gloria Chatzopoulos, and Neoklis Polyzoti	Demo
Wednesday	10:30AM-6:30PM		Demos	Adaptive Multimedia Mining on Distributed Stream Processing Systems	Deepak Turaga, Hyungnon Park, Rong Yan, and Olivier Verscheure	Demo