Tuesday, October 5

Time	Title	Authors
8:00 AM - 8:45 AM	Registration	
9:00 AM - 10:00 AM	Keynote Talk	
10:00 AM - 10:30 AM	Coffee Break	
10:30 AM - 12:00 PM	Session 1	
10:30 AM - 11:00 AM	Invited Talk in Earth Sciences	
11:00 AM -11:20 AM	Severe Weather Processes through Spatiotemporal Relational Random Forests	Amy McGovern, Timothy Supinie, David Gagne II, Nathaniel Troutman, Matthew Collier, Rodger Brown, Jeffrey Basara, John Williams
11:20 AM - 11:40 AM	Complex Networks In Climate Science: Progress, Opportunities And Challenges	Karsten Steinhaeuser, Nitesh Chawla, Auroop Ganguly
11:40 AM - 12:00 PM	Spatially Adaptive Semi-supervised Learning with Gaussian Processes for Hyperspectral Data Analysis	Goo Jun, Joydeep Ghosh
12:00 PM - 1:30 PM	Lunch	
1:30 PM - 3:20 PM	Session 2	
1:30 PM -2:00 PM	Invited Talk in Space Sciences	
2:00 PM - 2:20 PM	Improving Cause Detection Systems with Active Learning	Isaac Persing, Vincent Ng
2:20 PM - 2:40 PM	Classification of Mars Terrain Using Multiple Data Sources	Alan Kraut, David Wettergreen
2:40 PM - 3:00 PM	Scalable Time Series Change Detection for Biomass Monitoring Using Gaussian Process	Varun Chandola, Ranga Raju Vatsavai
3:00 PM - 3:20 PM	Analyzing Aviation Safety Reports: From Topic Modeling to Scalable Multi-Label Classification	Amrudin Agovic, Hanhuai Shan, Arindam Banerjee
3:20 PM - 3:40 PM	Coffee Break	
3:40 PM - 5:00 PM	Session 3	
3:40 PM -4:00 PM	Optimal Partitions of Data In Higher Dimensions	Jeff Scargle, Bradley Jackson
4:00 PM - 4:20 PM	Distributed Anomaly Detection using Satellite Data From Multiple Modalities	Kanishka Bhaduri, Kamalika Das, Petr Votava
4:20 PM - 4:40 PM	Lunar Terrain and Albedo Reconstruction from Apollo Imagery	Ara Nefian, Taemin Kim, Michael Broxton, Zachary Moratto
4:40 PM - 5:00 PM	Data Mining the Galaxy Zoo Mergers	Steven Baehr, Arun Vedachalam, Kirk Borne, Daniel Sponseller
5:00 PM - 5:30 PM	Break	
5:30 PM - 7:30 PM	Poster Session and Reception	

Wednesday, October 6

Time	Title	Authors
9:00 AM - 10:30 AM	Session 4	
9:00 AM - 9:30 AM	Invited talk in Aerospace and Engineering Systems	
9:30 AM - 9:50 AM	Keyword Search in Text Cube: Finding Top-k Aggregated Cell Documents	Bolin Ding, Yintao Yu, Bo Zhao, Xide Lin, Jiawei Han, Chengxiang Zhai
9:50 AM - 10:10 AM	Probability Calibration By The Minimum And Maximum Probability Scores In One-Class Bayes Learning For Anomaly Detection	Guichong Li, Nathalie Japkowicz, Ian Hoffman, R. Kurt Ungar
10:10 AM - 10:30 AM	A Comparative Study Of Algorithms For Land Cover Change	Shyam Boriah, Varun Mithal, Ashish Garg, Vipin Kumar, Michael Steinbach, Chris Potter, Steve Klooster
10:30 AM - 10:50 AM	Coffee Break	
10:50 AM - 12:10 PM	Session 5	
10:50 AM - 11:10 PM	Usage of Dissimilarity Measures and Multidimensional Scaling for Large Scale Solar Data Analysis	Juan Banda, Rafal Angryk
11:10 AM - 11:30 AM	A Knowledge Discovery Strategy for Relating Sea Surface Temperatures to Frequencies of Tropical Storms and Generating Predictions of Hurricanes Under 21st-century Global Warming Scenarios	Caitlin Race, Michael Steinbach, Auroop Ganguly, Fred Semazzi, Vipin Kumar
11:30 AM - 11:50 AM	Tracking Climate Models	Claire Monteleoni, Gavin Schmidt, Shailesh Saroha
11:50 AM - 12:10 PM	Adaptive Model Refinement for the Ionosphere and Thermosphere	Anthony D'Amato, Aaron Ridley, Dennis Bernstein
12:10 PM - 1:30 PM	Lunch	
1:30 PM - 3:10 PM	Session 6	
1:30 PM - 2:00 PM	Invited Talk on Data Mining Methodologies	
2:00 PM - 2:20 PM	PADMINI: A Peer-to-Peer Distributed Astronomy Data Mining System and a Case Study	Tushar Mahule, Kirk Borne, Sandipan Dey, Sugandha Arora, Hillol Kargupta
2:20 PM - 2:40 PM	Multi-temporal remote sensing image classification - A multi-view approach	Varun Chandola, Ranga Raju Vatsavai
2:40 PM - 3:00 PM	Dynamic Strain Mapping And Real-Time Damage State Estimation Under Biaxial Random Fatigue Loading	Subhasish Mohanty, Aditi Chattopadhyay, John John N. Rajadas
3:00 PM - 3:20 PM	Multi-label ASRS Dataset Classification Using Semi Supervised Subspace Clustering	Mohammad Salim Ahmed, Latifur Khan, Nikunj Oza, Mandava Rajeswari
3:20 PM - 3:30 PM	Break	
3:30 PM - 5:00 PM	Panel Discussion	