

**Pacific Asia Workshop on
Intelligence and Security Informatics (PAISI 2016)**
@PAKDD 2016

Auckland, New Zealand April 19, 2016

| | |
|---------|--|
| 8:00 AM | Registration |
| 8:30 | Opening and Keynote Speech Session Chair: Michael Chau Title: Cloud-Centric Assured Information Sharing <i>Professor Bhavani Thuraisingham ,The University of Texas at Dallas</i> |
| 9:15 | Session 1: Network-Based Data Analytics Session Chair: Michael Chau The Use of Reference Graphs in the Entity Resolution of Criminal Networks <i>David Robinson</i> Heterogeneous Information Networks Bi-Clustering with Similarity Regularization* <i>Haixin Li, Xianchao Zhang, Wenxin Liang, Linlin Zong, and Xinyue Liu</i> |
| 10:05 | Session Break |
| 10:30 | Session 2: Data and Text Mining Session Chair: Joshua Huang A Profile-Based Authorship Attribution Approach to Forensic Identification in Chinese Online Messages <i>Jianbin Ma, Bing Xu, and Mengjie Zhang</i> Multilevel Syntactic Parsing based on Recursive Restricted Boltzmann Machines and Learning to Rank* <i>Jungang Xu, Hong Chen, Shilong Zhou, and Ben He</i> Stratified Over-Sampling Bagging Method for Random Forests on Imbalanced Data* <i>He Zhao, Xiaojun Chen, Tung Nguyen, Joshua Huang, Graham Williams, and Hui Chen</i> Revisiting Attribute Independence Assumption in Probabilistic Unsupervised Anomaly Detection* <i>Sunil Aryal, Kai Ming Ting, and Gholamreza Haffari</i> |
| 12:30 | Lunch Break |

| | |
|-------|--|
| 13:30 | <p>Session 3: Data and Text Mining Session Chair: Přemysl Čech</p> <p>Incremental Privacy-Preserving Association Rule Mining Using Negative Border <i>Duc H. Tran, Wee Keong Ng, Yiik Diew Wong, and Vinh V. Thai</i></p> <p>Differentially Private Multi-Task Learning <i>Sunil Gupta, Santu Rana, and Svetha Venkatesh</i></p> <p>Intelligent Recognition of Spontaneous Expression Using Motion Magnification of Spatio-Temporal Data <i>B. M. S. Bahar Talukder, Brinta Chowdhury, Tamanna Howlader, and S. M. Mahbubur Rahman</i></p> |
| 15:00 | Session Break |
| 15:30 | <p>Session 4: Cybersecurity and Infrastructure Protection Session Chair: Daniel Hughes</p> <p>k-NN Classification of Malware in HTTPS Traffic Using the Metric Space Approach <i>Jakub Lokoč, Jan Kohout, Přemysl Čech, Tomáš Skopal, and Tomáš Pevný</i></p> <p>A Syntactic Approach for Detecting Viral Polymorphic Malware Variants <i>Vijay Naidu and Ajit Narayanan</i></p> <p>Small State Acquisition of Offensive Cyberwarfare Capabilities: Towards Building an Analytical Framework* <i>Daniel Hughes and Andrew Colarik</i></p> <p>Data-Driven Stealthy Injection Attacks on Smart Grid with Incomplete Measurements* <i>Adnan Anwar, Abdun Mahmood, and Mark Pickering</i></p> <p>Information Security in Software Engineering, Analysis of Developers Communications about Security in Social Q&A Website* <i>Shahab Bayati and Marzieh Heidary</i></p> |

*: short paper