



Prof. Kishan Mehrotra

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Electrical Engineering and Computer Science

Artificial Intelligence and Cyber security

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Degree:

- Ph. D., University of Wisconsin

Lab/Center Affiliation:

- SENSE (Artificial Intelligence)

Research interests:

- Artificial intelligence
- Social networks
- Bioinformatics

Current Research:

Most recent publications belong to three areas:

**Anomaly detection,
Identification of motifs, and
Community detection in social networks.**

Selected Publications:

Efficient classification of binary data stream with concept drifting using conjunction rule based boolean classifier (with Yiou Xiao and Chilukuri K. Mohan), IEA/AIE 2015, LNAI 9101, pp. 457-467, 2015.

Multi-objective optimization to identify key players in social networks (with R. Chulaka Gunasekara and Chilukuri K. Mohan), Social Network Analysis and Mining, 5.1, pp. 1-20, 2015.

Ensemble algorithms for unsupervised anomaly detection (with Zhiruo Zhao and Chilukuri K. Mohan), IEA/AIE 2015, LNAI 9101, pp. 514-525, 2015.

Multi-objective structuring in social networks (with R. Chulaka Gunasekara and Chilukuri K. Mohan), *Advances in Social Network Analysis and Mining*, (ASONAM 2013, IEEE/ACM International Conference in IEEE), 2013.

SMAalign: Alignment of DNA sequences with gap constraints (F. Alobaid, Chilukuri K. Mohan, and R. Raina) in *Proceedings of BICoB*, Las Vegas, March 2012.

A Game Theoretic Framework for Community Detection with (Patrick J. McSweeney and Jae Oh), *ASONAM 2012*, August 27-30, 2012, Istanbul, Turkey.

Rank-Based Outlier Detection with (HuaMing Huang and Chilukuri K. Mohan), in *Journal of Statistical Computation and Simulation*, 2011.

A Clustering based Discretization for Supervised Learning with (Ankit Gupta and Chilukuri K. Mohan) in *Probability and Statistics Letters*, 2009.

Squeezing the last drop: Cluster-based classification algorithm (with Necati E. Ozgencil and Nancy McCracken) in *Statistics & Probability Letters*, (2007), doi:10.1016/j.spl.2007.03.014.