

## Invited Talk

Department of Computer Science and Engineering

Indian Institute of Technology Kanpur

**Title:** Anomaly Detection with Social Media Data

**Speaker:** Chilukuri K. Mohan, Syracuse University

Time: 4 pm

Date: February 23, 2018

Venue: RM 101

**Abstract:** Large amounts of data available on social media can be analyzed in various ways, depending on the application goals; for example, target marketing efforts have been actively pursued by multiple researchers and organizations. This talk focuses on the application of anomaly detection algorithms to social media data, discussing two examples in detail. Of particular interest is the analysis of changes in behaviors of individuals with time, and how such changes may be reflected in social media data, and hence inferred from the same. The various kinds of anomaly detection algorithms are first surveyed, discussing the contexts of their applicability for social media data.

**Bio:** Prof. Chilukuri K. Mohan is the Chair of the Department of Electrical Engineering and Computer Science at Syracuse University, where he has been teaching since 1988. He received a B.Tech. (Computer Science, 1983) from the Indian Institute of Technology at Kanpur, and a Ph.D. (Computer Science, 1988) from the State University of New York at Stony Brook. He has authored/co-authored over 180 publications, and two books: 'Elements of Artificial Neural networks' (MIT Press, 1997), and 'Frontiers of Expert Systems: Reasoning with Limited Knowledge' (Kluwer Academic Press, 2000). He serves on several international

conference committees, and co-chaired the 2011 IEA/AEI conference. His research has spanned several areas of Artificial Intelligence, including Automated Reasoning, Neural Networks, Evolutionary Algorithms, and Reasoning with Uncertainty. His current work includes anomaly detection algorithms, dynamic social networks, evolutionary algorithms, and data mining in the domains of finance and bioinformatics. He has advised/co-advised twenty two Ph.D. dissertations at Syracuse University.