

Quality Big Data

Fugee Tsung

Department of Industrial Engineering and Decision Analytics

Hong Kong University of Science & Technology

Abstract

This talk will present and discuss the challenges and opportunities that quality engineers and managers face in the era of big data. The ability to separate signal and noise in the data-rich-information-poor environment would be the key, especially for industrial big data. Emerging research issues include data fusing with heterogeneous data sources, statistical transfer learning, and statistical process control and monitoring for big data streams.