

Speech Title: Conceptualization on Fact, Data, Information, Knowledge and Wisdom towards Big Data Processing and Artificial Intelligence

Abstract: Fact, data, information knowledge and wisdom are fundamental concepts which lay the conceptual foundation of human expressing, thinking and reasoning in the real world. The progress on Big Data processing has greatly influenced the current data, information, knowledge and wisdom collection and usage at computation level. The coming Big Data era has brought drastic acceleration on data mining and catalyzes the so called revitalization the artificial intelligence (AI). However at semantic level, the conceptual clarification and contemplation on the understanding and thought of fact, data, information knowledge and wisdom is still not ready to quality properly as a prerequisite for bridging the computational advancement on Big Data processing and AI. We present our work towards a semantic level conceptualization and formalization on the semantics of fact, data, information knowledge and wisdom based on a comprehensive literature survey and investigation.