Tutorial on Semantic Computing with Big Data (SCBD 2019)

Big Data has become a new source of opportunity in terms of Semantic Computing. Unlike traditional data sources, Big Data applications present their own unique challenges in order to appropriately harness the utility of open source frameworks including Apache Hadoop and design patterns such as Map – Reduce. Through these advances, Big Data has become ubiquitous across all areas of research allowing for new applications that were not possible earlier.

The Tutorial on Semantic Computing in Big Data (TWSCBD 2019) consists of a half-day tutorial to be held in conjunction with the 13th IEEE International Conference on Semantic Computing (ICSC2019) on Jan 30, 2019. The tutorial will specifically step each student though the installation, setup and implementation of the Apache Spark architecture on Amazon Web Services. The tutorial will also present a detailed examination of the Spark Distributed Processing platform with examples leveraging the Scala programming language. Machine Learning techniques will also be covered utilizing the ML library on the Scala/ Spark platform. Overall architecture design will also be explored as well as the future direction of the Big Data software suite. The workshop will consist of presentations of invited papers and peer-reviewed papers. Please submit any papers for consideration as well as all corresponde5nce to David Ostrowski (dostrows@ford.com).

Tutorial Speakers

David A. Ostrowski, Global Data Insights and Analytics, Ford Motor Company