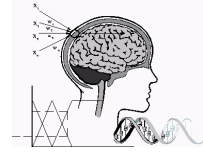# International

Innovation in Knowledge Based and Intelligent Engineering Systems

INVITED SESSION SUMMARY

Title of Session: Data Intelligence
Name of Chair: Prof. Jalel Akaichi (University of Tunis) & Dr. Fahad Algarni (University of Bisha)

Details of Session:

Data intelligence refers to all the analytical tools and methods employed to form a better understanding of the collected information to improve and promote decision making process. Unlike business intelligence, which focuses more on organizing data and presenting it in a way that makes it easier to understand and derive business intelligence insights, data intelligence is more concerned with the analysis of information itself. To achieve this, data intelligence focus on five major components: descriptive, prescriptive, diagnostic, decisive, and predictive data. These disciplines in data intelligence focus on understanding data, uncovering alternative explanations, resolving issues, and identifying future trends to improve decisions. Today, data intelligence incorporates both artificial intelligence and machine learning tools, which permit organizations to analyze enormous amounts of data much faster and reliably than if done manually. Moreover, data intelligence helps expedite analytics by arranging data neatly and establishing clearer models for warehousing and scrubbing large data sets. Much like business intelligence, data intelligence is a vital part of any organization's efforts to improve the services and forward-looking strategies they employ.

This session will provide an excellent international forum for sharing knowledge and results in theory, methodology and applications. Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but are not limited to.

Topics of interest:
- Big Data Analytics
- Data Management
- Predictive Analytics.
- Ontology.
- Mobile Data
- Distributed and Parallel Computing
- Data Security and Privacy
- E-Government Data
- Data Integration, Aggregation, and Representation
- Cloud Computing Data Management
- Data mining and Processing
- Advanced Database
- Methodologies on large-scale data mining
- Machine learning tools and techniques
- Data Visualization
- Data Warehousing
- Business Intelligence
- Data Intelligence
- Data Analysis.

Website URL (if any):

Email & Contact Details :
Prof, Jalel Akachi, University of Tunis, j.akaichi@gmail.com