

## IEEE JEA Workshop 2017

September 12-13, 2017

**Track Name:** Digital Transformation – Big Data Analytics & Cloud Computing

<b>Session Number</b>	1
<b>Title</b>	Introduction to Big Data & Analytics: How it is different from data warehouse and business intelligence technologies
<b>Abstract</b>	<p>The rapid emergence, prevalence and potential impact of Big Data has sparked a significant amount of interest amongst Information Technology (IT) industry and research. Big Data is a concept that reflects technologies, frameworks, platforms, and approaches which aim to provide enterprises with significant value and benefits by having the ability to manage massive datasets that are captured from various sources and in heterogeneous formats, structure, and speed; thus considered challenging in terms of storing, processing, analyzing, and visualizing.</p> <p>However and despite the existing consensus about the significance of big data in today's business, the differences between data warehouses and data lakes and also the variances between business intelligence and data science technologies are still not clear for the majority of researchers and practitioners. It is also blurry and fuzzy in both theory and practice whether data lakes come to replace data warehouses or to complement it and whether data science technologies are substitutes for business intelligence or complementary technologies. Hence, this session aims at discussing and explaining how big data can transform businesses and change our way of thinking by highlighting the main technological shifts associated with Big Data and their significant implications on business, society, and governments. In this session, the shifts from data warehouses to data lakes and from business intelligence to data science technologies are deeply discussed and explained. The session also aims at discussing the impact of Big Data on current architectures, processes, and skill sets which are associated with data warehouse and business intelligence technologies.</p>
<b>Special Requirement</b>	Data Show, Flip chart board, Internet connection
<b>Speaker Name</b>	Dr. Mutaz M. Al-Debei
<b>Affiliation</b>	Intrasoft Middle East
<b>Photo</b>	<p><a href="https://www.linkedin.com/in/mutaz-m-al-debei-20510623/">https://www.linkedin.com/in/mutaz-m-al-debei-20510623/</a></p> 
<b>Bio</b>	Dr. Mutaz M. Al-Debei is the Director of Big Data & Analytics at INTRASOFT MEA since early 2015. Before joining INTRASOFT, Al-Debei was serving as an Associate Professor of Information Systems and

	<p>Computing at the University of Jordan (UJ), and also as an ICT Chief Consultant at the National Center for Security and Crises Management. He also worked as an IT Manager for Arab Radio &amp; Television (ART) in Jordan Media City and he held other positions in Al-Ahli Bank (Master Card Department) and Royal Scientific Society. Al-Debei earned his PhD from Brunel University London (BUL) in Information Systems and Computing in May, 2010. Furthermore, Al-Debei has received many international and national significant research awards such as Abdul Hameed Shoman Award for Arab Researchers – ICTs, 2015, the prestigious Vice Chancellor's Prize for Doctoral Research from Brunel University London in 2010, the Distinguished Researcher Award from The University of Jordan - two times in 2012 and 2014, and best paper awards from UKAIS (2008), and another one from IFIP 8.2 (2010).</p>
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