

Press Release

Big Data International Standard: ISO/IEC-JTC 1 / WG 9 meeting

As a growing paradigm Big Data is the main answer to process and manage huge amounts of data from different sources that may even come at different rates of speed.

The ISO/IEC – JTC 1 WG 9 Working Group on Big Data (WG9-BDWG) has had their second meeting, from July 7th to 9th, in the Computer Science School of Ciudad Real (Spain) to discuss the ISO/IEC 20546 (Big Data Overview and Vocabulary) and ISO/IEC 20547 (Big Data Reference Architecture) standards. The meeting was hosted by the University of Castilla-La Mancha (UCLM) in conjunction with the support and patronage of the Spanish Association for Normalization and Certification (AENOR) and the Spanish Association for Data and Information Quality (AECDI).

The 2nd WG9-BDWG meeting is composed of some of the most important Big Data experts from all around the world (USA, Japan, South Korea, Ireland, Germany, United Kingdom and Spain) working for different companies and academic organizations (NIST, Oracle, Huawei, Microsoft, ETRI, InCadence Strategic Solutions, SAIC, Dublin City University, AECDI, AENOR and UCLM).

We are immersed in a world where almost everything around us is sending, receiving or processing data. All the data is ingested by various systems of different organizations that try to analyse it in order to make decisions, provide suggestions, create new services for the users, etc. Consequently, data has become a decisive resource to strategically improve the capabilities of organizations in gaining the best advantage in their business domains. The industry has come out with diverse implementations of the Big Data paradigm from the different domains of the organizations. As a response to that variety of solutions the ISO/IEC JTC 1 has created this Working Group on Big Data to provide a common and appropriate way to create Big Data projects. Toshiro Suzuki (from Oracle) asserted “We need to obtain the most important parts and best practices from the already known Big Data solutions”.

The main goal of the meeting of the WG9-BDWG was to decide over the main concepts, components, roles and activities of a Big Data Reference Architecture. To accomplish this goal the standards are based on multifarious and successful Big Data use cases and previous work, present in the industry. The ISO/IEC 20546 standard provides an appropriate definition of Big Data based on foundations from the previous work of different authors, and gather the main related vocabulary to support the definition of the Big Data Reference Architecture. The ISO/IEC 20547 standard gets the common features from the use cases as basis to create the Big Data Reference Architecture with the basic modules and their relationships.

The Big Data Reference Architecture is intended to help and guide in creating specific-domain Big Data Architectures, as a way to create proper Big Data solutions for companies worldwide. Wael W. Diab (Senior Director from Huawei) expressed “This standards activity reflects the growing importance of Big Data in emerging ICT applications”.

At the end of the meeting the convenor of the group Mr. Wo Chang (from NIST) said “We really appreciate the support of UCLM, AENOR and AECDI”.



Picture 1: WG9-BDWG attendees. To name some, in the middle: Wo Chang (NIST and convenor), Toshiro Suzuki (Oracle), Carlos M. Fernandez (AENOR); in the left: Ismael Caballero (UCLM) and Nancy Grady (SAIC); in the right: SangBeom Ham (Microsoft), Wael. W. Diab (Huawei) and Abdellatif Benjelloun (Huawei)