Brief Profile of

Dr. C. Mohan

IBM Fellow and Former IBM India Chief Scientist

Dr. C. Mohan has been an IBM researcher for 34 years in the database area, impacting numerous IBM and non-IBM products, the research and academic communities, and standards, especially with his invention of the ARIES family of database locking and recovery algorithms, and the Presumed Abort commit protocol. This IBM (1997), and ACM/IEEE (2002) Fellow has also served as the IBM India Chief Scientist for 3 years (2006-2009). In addition to receiving the ACM SIGMOD Innovation Award (1996), the VLDB 10 Year Best Paper Award (1999) and numerous IBM awards, Mohan was elected to the US and Indian National Academies of Engineering (2009), and was named an IBM Master Inventor (1997). This Distinguished Alumnus of IIT Madras (1977) received his PhD at the University of Texas at Austin (1981). He is an inventor of 47 patents. He has served on the advisory board of IEEE Spectrum, and on numerous conference and journal boards. Mohan is a frequent speaker in North America, Europe and India, and has given talks in 40 countries. He is very active on social media and has a huge following. More information could be found in his Wikipedia page at http://bit.ly/CMWikP.

Brief Abstract of the Technical Lecture on 01.09.2016 on

Big Data – Hype and Reality

Big Data has become a hot topic in the last few years in both industry and the research community. For the most part, these developments were initially triggered by the requirements of Web 2.0 companies. Both technical and non-technical issues have continued to fuel the rapid pace of developments in the Big Data space. Open source and non-traditional software entities have played key roles in the latter. As it always happens with any emerging technology, there is a fair amount of hype that accompanies the work being done in the name of Big Data. The set of clear-cut distinctions that were made initially between Big Data systems and traditional database management systems are being blurred as the needs of the broader set of (real world) users and developers have come into sharper focus in the last couple of years. In this talk, I will survey the developments in Big Data and try to distill reality from the hype!

This talk has been given (with revisions) in various countries, especially as keynotes at the conferences **BIRTE** 2014, **BDA** 2014, **BTW** 2015, **SEBD 2015, IEEE IRI 2015** and **BDA EdCon Europe 2015.**