

CSE@UCR

Distinguished Lecture Series

The Data Landscape: Trends and Directions

It has been four decades since the commercial emergence of relational database management systems. Since that time, I worked on various database management topics at the birthplace of the relational model and the SQL language, until my retirement about 3 years ago as an IBM Fellow at IBM Research in Silicon Valley. As someone who continues to be active as an individual contributor in the database area, in this talk, I will give a broad overview of the evolution of the data landscape. I will discuss not only research topics but also the trends in the commercial and standards arenas. I will also present market share numbers from data analysts. I intend for my observations to be of value to not only deeply technical people in the research and product spaces but also to management and administration type people who are responsible for data related topics.

April 14 | BournsA125 | 11:00-11:50am



Dr. C. Mohan is currently a Distinguished Visiting Professor at Tsinghua University in China, a Member of the inaugural Board of Governors of Digital University Kerala, and an Advisor of the Kerala Blockchain Academy (KBA) and the Tamil Nadu e-Governance Agency (TNeGA) in India. After 38.5 years of research in IBM Almaden, he retired in June 2020 from being an IBM Fellow. During his tenure at IBM, he led innovative research in database, blockchain, AI and related areas with high impact on research in academia and industry, especially the well-known ARIES family of database locking and recovery algorithms. Mohan received numerous highly-prestigious awards, most notably, ACM SIGMOD Edgar F. Codd Innovations Award (1996), the VLDB 10 Year Best Paper Award (1999), and was elected to the United States and Indian National Academies of Engineering (2009). He is an inventor of 50 patents and was named an IBM Master Inventor in 1997. This Distinguished Alumnus of IIT Madras (1977) received his PhD at the University of Texas at Austin (1981). Mohan is a frequent speaker in North America, Europe and Asia. He has given talks in 43 countries. He is highly active on social media and has a huge network of followers.