TEXAS A&M
Institute of
Data Science

Seminar Series

Date:
September 30, 2024

Time:
2:00 - 3:00 pm

Location:
Blocker 220 and
Zoom

Faculty host:
Dr. Nick Duffield,
Director of TAMIDS

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Zoom ID:
974 9688 4861
Passcode: 923446

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Dr. H.V. Jagadish

Director, Michigan Institute for Data and AI in Society
Professor of Electrical Engineering and Computer Science, University of Michigan

H. V. Jagadish is Edgar F Codd Distinguished University Professor at the University of Michigan in Ann Arbor and Director of the Michigan Institute for Data and AI in Society. Prior to 1999, he was Head of the Database Research Department at AT&T Labs, Florham Park, NJ.

Professor Jagadish is well known for his broad-ranging research on information management, and has over 200 major papers and 38 patents, with an H-index of 104. He is a fellow of the ACM (since 2003) and of AAAS (since 2018). He currently chairs the board of the Academic Data Science Alliance and previously served on the board of the Computing Research Association (2009-2018). He has been an Associate Editor for the ACM Transactions on Database Systems (1992-1995), Program Chair of the ACM SIGMOD annual conference (1996), Program Chair of the ISMB conference (2005), a trustee of the VLDB (Very Large DataBase) foundation (2004-2009), Founding Editor-in-Chief of the Proceedings of the VLDB Endowment (2008-2014), and Program Chair of the VLDB Conference (2014). Since 2016, he has been Editor of the Springer (previously Morgan & Claypool) “Synthesis” Lecture Series on Data Management. His popular MOOC on Data Science Ethics is available on both EdX and Coursera.

Managing Heterogeneity in Data

We are awash in data today, but there remain many impediments to the effective utilization of data for data-driven decision-making. In this talk, I will discuss three major impediments, and review some of the work to begin addressing them. First, heterogeneity of data types makes it difficult to set up systems where “one-size-fits-all”. Second, unevenness in representations of data subjects can lead to poor decisions based on the data. Third, non-specialist users, with limited technical knowledge, should be able to access, analyze, and utilize the data effectively. While traditional systems may do poorly on all three issues, technologies to overcome these impediments are within reach.

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