Abstract:
In this talk, I will examine why database systems today are so difficult to use and describe the work we have been doing in my research group on database usability. In particular, we propose a presentation data model as a formal layer above the logical and physical data model layers in a database system. I will describe how we use this layer to provide direct manipulation, avoid joins, and present adequate explanation for results.

Biography:
H. V. Jagadish is Bernard A Galler Collegiate Professor of Electrical Engineering and Computer Science at the University of Michigan in Ann Arbor. After earning his PhD from Stanford in 1985, he spent over a decade at AT&T Bell Laboratories in Murray Hill, N.J., eventually becoming head of AT&T Labs database research department at the Shannon Laboratory in Florham Park, N.J. He has also served as a Professor at the University of Illinois in Urbana-Champaign and as the Shaw Visiting Professor at the National University of Singapore.

Professor Jagadish is well-known for his broad-ranging research on information management, and has over 150 major papers and 33 patents. In particular, he is a leader in the integration of biomedical data from multiple sources and its analysis. He serves as Senior Scientific Director of the NIH National Center for Integrative Biomedical Informatics.

Professor Jagadish is a fellow of the ACM ("The First Society in Computing") and a trustee of the VLDB (Very Large DataBase foundation). Among many professional positions he has held, he has previously been an Associate Editor for the ACM Transactions on Database Systems (1992-1995), Program Chair of the ACM SIGMOD annual conference (1996), and Program Chair of the ISMB conference (2005). He is currently Editor-in-Chief of the Proceedings of the VLDB Endowment.