San José State University
The Department of Computer Science and
The Department of Computer Engineering jointly present
THE HISTORY OF COMPUTING SPEAKER SERIES

Don Chamberlin

Fifty Years of Data:
How Advances in Database Management
Have Helped to Shape Our World

Wednesday, November 2
6:00 – 7:00 PM
Auditorium ENGR 189
Engineering Building

Online data storage is the part of the computer revolution that has most directly affected our everyday lives. Most of the world's business data is now stored in electronic databases, and we expect all kinds of information to be available everywhere at any time. Yet magnetic disks, which made online storage possible, have been available for only slightly more than fifty years.

This talk traces the history of database management, from its roots in punched cards to today's relational and XML-based systems. It focuses on key ideas and people who have helped to shape the ways in which we store and process information. It compares structured and unstructured query languages as well as unstructured search.

Don Chamberlin is best known as co-inventor of the SQL and XQuery database languages. At IBM Research, he contributed to the development of IBM's early relational database technology, for which he received the ACM SIGMOD Innovations Award.

Don received his Ph.D. at Stanford University. He was named an ACM Fellow in 1994, an IBM Fellow in 2003, and an IEEE Fellow in 2007. In 2009, Don served as a Regents' Professor at UC Santa Cruz, where he is currently an Adjunct Professor.

Next: **Bob Patrick**
Wednesday, November 9