Title: Engineering Big Data Solutions

Abstract:
The collection and use of low-veracity operational data (OD) from software repositories and other operational support systems is exploding. It is, therefore, imperative to elucidate the principles of how such data comes into being and what it means. Data from operational support systems differs from data collected in an experiment in three profound ways: the observations lack context, important events are missing, and the recorded values are systematically incorrect. The talk argues for developing models, practices, and tools that would raise the integrity of the results obtained from despite the problematic nature of the underlying data.

Bio:
Audris Mockus wants to know how and why software development and other complicated systems work. He combines approaches from many disciplines to reconstruct reality from the prolific and varied digital traces these systems leave in the course of operation. Audris Mockus received a B.S. and an M.S. in Applied Mathematics from Moscow Institute of Physics and Technology in 1988. In 1991 he received an M.S. and in 1994 he received a Ph.D. in Statistics from Carnegie Mellon University. He is a professor of Software Engineering in the Department of Electrical Engineering and Computer Science of the University of Tennessee. Previously he worked at Software Production Research Department of Bell Labs and Avaya Labs Research.