Being Smart: The Role of Timely Analytics

(Keynote)

Krithi Ramamritham
Department of Computer Science
Indian Institute of Technology Bombay
krithi@cse.iitb.ac.in

ABSTRACT

These days, unless something has the epithet "smart" attached to it, it is nothing. Smart Energy solutions promise cleaner, cheaper and more reliable energy. Smart Cities promise better quality of life for its citizens. We will argue that for a "system" to be SMART, it should Sense Meaningfully, Analyze and Respond Timely. Using real-world examples from the domains of Smart Energy and Smart Cities, this talk will illustrate the central role of data in being SMART.

Biography

Krithi Ramamritham is professor at Dept of Computer Science and Engineering at IIT Bombay. His research explores timeliness and consistency issues in computer systems, in particular, databases, real-time systems, and distributed applications. His recent work addresses these issues in the context of Dynamic Data in sensor networks, embedded systems, mobile environments and the web. His recent work has been related to the use of Information and Communication Technologies for creating tools aimed at socio-economic development. He obtained Ph.D. in Computer Science from the University of Utah in 1981 after his B.Tech. in Electrical Engineering (1976) and M.Tech. in Computer Science (1978), both from the Indian Institute of Technology Madras.