

UTC INSTITUTE FOR ADVANCED SYSTEMS ENGINEERING

DISTINGUISHED LECTURE

Being Smart: The Role of Timely Analytics

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.

Krithi Ramamritham

Prof. Krithi Ramamritham holds a Ph.D. degree in Computer Science from the University of Utah. He did his B.Tech (Electrical Engineering) and M.Tech (Computer Science) degrees from IIT Madras. After a long stint at the University of Massachusetts, he moved to IIT Bombay as the Vijay and Sita Vashee Chair Professor in the Department of Computer Science and Engineering. During 2006-2009, he served as Dean (R&D) at IIT Bombay. He currently heads IIT Bombay's new Center for Urban Science and Engineering. Prof. Ramamritham's 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 sensor networks, embedded systems, mobile environments and smart grids. During the last few years he has been interested in the use of Information and Communication Technologies for creating tools aimed at socio-economic development.

He is a Fellow of the IEEE, ACM, Indian Academy of Sciences, National Academy of Sciences, India, and the Indian National Academy of Engineering. He was honored with a Doctor of Science (Honoris Causa) by the University of Sydney. He is also a recipient of the Distinguished Alumnus Award from IIT Madras. Twice he received the IBM Faculty Award. He just received the 2015 Outstanding Technical Contributions and Leadership Award from the IEEE Technical Committee for Real-Time Systems and IEEE's CEDA Outstanding Service Award. He has been associated with the editorial board of various journals. These include IEEE Embedded Systems Letters and Springer's Real-Time Systems Journal (Editor-in-Chief), IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Mobile Computing, IEEE Internet Computing, ACM Computing Surveys and the VLDB (Very Large Databases) Journal.

Thursday, May 19, 2016

11:00 am- 12:00 pm

UConn, Storrs Campus – ITE Building 336

[To view live webcast click here](#)

Upcoming Distinguished Lectures

10/06/16 – Olivier de Weck
When is complex too complex?
Graph energy, proactive complexity
management and the first law of
systems engineering

10/17/16 – Wei Chen
Design under uncertainty;
multidisciplinary design
optimization; simulation-
based design

Upcoming Seminars

09/08/16– Chris Ha
Think Like a Customer, Act
like a Startup in Analytics Space

Website:

www.utc-iase.uconn.edu

Email:

utc-iase@enr.uconn.edu

Phone:

860.486.3355



UTC Institute
for Advanced
Systems Engineering

UNIVERSITY OF CONNECTICUT



UCONN
SCHOOL OF ENGINEERING