

Distinguished Lectures

Spring 2016



Colorado State University's Information Science and Technology Center (ISTeC) presents two lectures by

Dr. Dilma Da Silva

Department Head
Department of Computer Science and Engineering
Holder of the Ford Motor Company Design Professorship II
Texas A & M University

ISTeC Distinguished Lecture

In conjunction with the Department of Computer Science and Department of Electrical and Computer Engineering Seminar Series

"Cloud Computing: The Dreams and The Nightmares"

Monday, March 7, 2016

Reception with refreshments: 10:30 am

Lecture: 11:00 am - 12:00 noon

Morgan Library Event Hall

Department of Computer Science and Department of Electrical and Computer Engineering Special Seminar Sponsored by ISTeC

"Cloud services for the Internet of Things"

Tuesday, March 8, 2016

Lecture: 11:00 am - 12:00 noon

Room 130 in Computer Science Building

Abstracts

Cloud Computing: the dreams and the nightmares.

Cloud computing has been around for many years. Ideas from innovators in industry and academia came together to make cloud technology very successful. At the same time, the new technology introduces difficult hurdles on an unprecedented scale.

This talk summarizes the evolution of cloud technology from overused buzzword to an efficient way to deliver computing services and identifies the main challenges still unresolved.

Cloud services for the Internet of Things.

There is a good level of consensus on how to deploy cloud computing services to benefit a variety of workloads, from enterprise and web 2.0 applications to big data analytics and even HPC. This talk argues that in the domain of mobile applications, cloud services have succeeded in some scenarios, but so far without a convincing demonstration that we achieved a good solution. With the increasing relevance of applications leveraging Internet-of-Things (IoT) technology, cloud services for IoT is becoming the new frontier. Many researchers and companies propose a move from cloud computing to fog computing. This talk discusses how experimental testbeds may be useful in characterizing the trade-offs between cloud computing and fog computing.

Speaker Biography:

Dilma Da Silva joined the Department of Computer Science and Engineering at Texas A&M University as its new department head on August 2014. Her primary research interests are cloud computing, operating systems, distributed computing, and high-end computing. Prior to joining Texas A&M, she worked at Qualcomm Research in California (2012-2014), IBM Thomas J. Watson Research Center in New York (2000-2012) and the University of Sao Paulo in Brazil (1996-2000).

Da Silva is an ACM Distinguished Scientist, a member of the board of CRA-W (Computer Research Association's Committee on the Status of Women in Computing Research), member of CDC (Coalition for Diversifying Computing), co-founder of the Latinas in Computing group, and an event liaison with USENIX. She served as an officer at ACM SIGOPS from 2011 to 2015. She currently chairs the ACM Senior Award Committee.

Da Silva is a very active member of her research community. She has chaired 27 scientific conferences and participated in 100+ program committees. She has published 72 articles in journals, books, refereed conferences and workshops, filed 15 patents, served on more than 30 thesis committees, and has had dozens of mentees, from middle school students to post-doctoral researchers.

Da Silva received her doctoral degree in computer science from Georgia Tech in 1997 and her bachelor's and master's degrees from the University of São Paulo, Brazil. Besides pursuing her passion for computing, she spends time reading novels, knitting, and keeping in touch with her friends across 8 time zones.

To arrange a meeting with the speaker, please contact Prof. Dr. Indrakshi Ray (iray@cs.colostate.edu).

Upcoming Distinguished Lectures

April 18

"Network Coding - A Personal Account of Combining Theory And Practice"

11:00 am - 12:00 noon



Morgan Library Event Hall

Dr. Muriel Médard

May 2

"Technology Considerations in Computer Architecture"

11:00 am - 12:00 noon



Morgan Library Event Hall

Dr. Jean-Luc Gaudiot