Distinguished Lectures
Fall 2016

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

Dr. Mark Gross
Professor of Computer Science
Director of the ATLAS Institute
University of Colorado, Boulder

ISTeC Distinguished Lecture
In conjunction with the Department of Electrical and Computer Engineering, and the Department of Computer Science Seminar Series.

“Design, Making, and Creativity (or Please Pass the Polymaths)”

Monday, Sept. 12, 2016
Reception with refreshments: 10:30 a.m.
Lecture: 11:00 a.m.-12:00 noon
Morgan Library Event Hall

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

“Computing in the Margins: A Radically Interdisciplinary Perspective”

Monday, Sept. 12, 2016
Lecture: 3:00-4:00 p.m.
Computer Science Building 130

Abstracts

Design, Making, and Creativity (or Please Pass the Polymaths)

People enjoy making things, as the recently burgeoning “maker movement” shows. While often seen as a vehicle to engage young people in science, technology, engineering and mathematics (STEM), the maker movement signifies a larger opportunity for people in design and creativity. The lecture will showcase examples of making—how surfaces, sculpture, and objects are formed for better tools and technologies for design, and positions making through people, and tools as a radical perspective for helping people design the world around them. The talk will end with a look at the Maker Movement—how and why people choose to make things, and the unexpected results.

Computing in the Margins: A Radically Interdisciplinary Perspective

Computer Science isn’t what it used to be. Today some of the most interesting work is done in the margins between computing and other disciplines, insight from computing furthering research in other disciplines, and insights from the disciplines leading to computing innovations. The boundaries are blurred. Some of the most exciting work is happening at the intersection between people and computing, from traditional human-computer interaction to the internet of things and complex data.

Speaker Biography

Mark D. Gross is Professor of Computer Science and directs the ATLAS Institute at the University of Colorado, Boulder. His interests include design methods, modular robotics, computationally enhanced construction kits and crafts, sketch tools and applications, and physical computing. Gross is co-founder with former students in three local companies spun out of his university research laboratories. Gross has taught computational design at CU at the University of Washington Seattle, and at Carnegie Mellon University. In the 1980s worked at Atari’s Research Laboratory in Cambridge, Massachusetts. He earned his bachelor’s and doctoral degrees from the Massachusetts Institute of Technology, where, in the 1970s, he worked at the Artificial Intelligence Logo Laboratory and the Architecture Machine Group, as well as a stint programming optical character recognition at Kurzweil Computer Products.

To arrange a meeting with the speaker, please contact Prof. Anura Jayasumana, 970-491-7855, (Anura.Jayasumana@ColoState.edu).

Upcoming Distinguished Lectures

October 3
“Intersections Between Information Technology Research and Public Policy”
11:00 am -12:00 noon
Morgan Library Event Hall
Dr. Scott Jordan

October 17
“Towards a Science of Complex Data”
11:00 am -12:00 noon
Morgan Library Event Hall
Dr. Alfred O. Hero III

October 24
“Machine Learning and Democracy: Some Problems in Collective Decision-Making”
11:00 am -12:00 noon
Morgan Library Event Hall
Dr. Sanjeev Kulkarni

December 5
“Quantitative Ethnography: Measuring Complex Thinking Using Grounded Data”
11:00 am -12:00 noon
Morgan Library Event Hall
Dr. David Shaffer

ISTeC Information Science and Technology Center is an umbrella-wide organization for promoting, facilitating, and enhancing CSU’s research, education, and outreach activities pertaining to the design and innovative application of computer communication and information systems. For more information please visit [ISTeC website].