Channel Islands
CALIFORNIA STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

SEMINAR

COMPUTER SCIENCE - IT - MECHATRONICS ENGINEERING - MSCS

March 4, 2019, 10:00-11:00 am

Broome 2490

Speaker: Dr. Scott Feister

Title: Tackling Global Challenges Through Scientific Computing

Abstract: Can we solve complex problems in the natural sciences by applying 21st-century innovations from computer science? Of course we can! Scientific computing is interdisciplinary in nature, blending expertise in computer science, mathematics, and the natural sciences. I will show how I utilize supercomputers, big-data analysis, embedded systems (e.g. Arduino), and mechatronics to collaborate with teachers and scholars here and internationally -- adding to our fundamental knowledge of astrophysical plasmas and laser-based particle accelerators. Throughout this talk, I will highlight how I bring my research into the classroom and how I include undergraduate students as contributors in my research. Please join this talk if you would like to learn how CI students can benefit from computer science research in the area of scientific computing.

Bio of the speaker: Dr. Scott Feister is an Assistant Researcher at University of California Los Angeles, where he leads supercomputer simulations, analyzes large digital datasets, and designs electronic hardware for scientific study of laser-laboratory astrophysics. His research focuses on applying computer science to solve scientific problems. He was previously a Postdoctoral Scholar at the Flash Center for Computational Science at the University of Chicago, and a Research Scientist at the Air Force Research Laboratory. He earned a Ph.D. at The Ohio State University and B.S. at University of Notre Dame.

http://scottfeister.com/#bio

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