Chalk Talk

From accreting black holes to merging galaxies: How computers are revolutionizing astrophysics

Connections between computation and the study of celestial events have a long history, but ever-increasing improvements in computer hardware and software are actually transforming astrophysics. I'll begin with a description of why computation is crucial for the solution of a variety of problems at the forefront of astronomy and astrophysics. I'll next outline the challenge of developing, testing, and implementing numerical algorithms for the investigation of these problems on modern high-performance computer systems. And, finally, I'll conclude with the importance of training future scientists in scientific computation, and the need for tools to handle the complexity of its codes.

Wednesday, June 4, 2014
Kohn Hall, UCSB
5:30 PM Courtyard Reception
6:15-7 PM Presentation
7-7:15 PM Questions & Discussion

Attendance only by Reservation
RSVP by May 28
On-Line: www.kitp.ucsb.edu/chalk-talk-rsvp
Phone: 893-4111 or events@kitp.ucsb.edu

LOT 10 PARKING
As you enter campus from Hwy 217, turn right onto Mesa Rd, merge into left lane, at the stop light turn left into Parking Structure 10. PARK on the second floor or above, BUY a $4 permit from the dispenser (near the elevator and stairs), DISPLAY PERMIT on dashboard. The KITP is right next door in Kohn Hall.