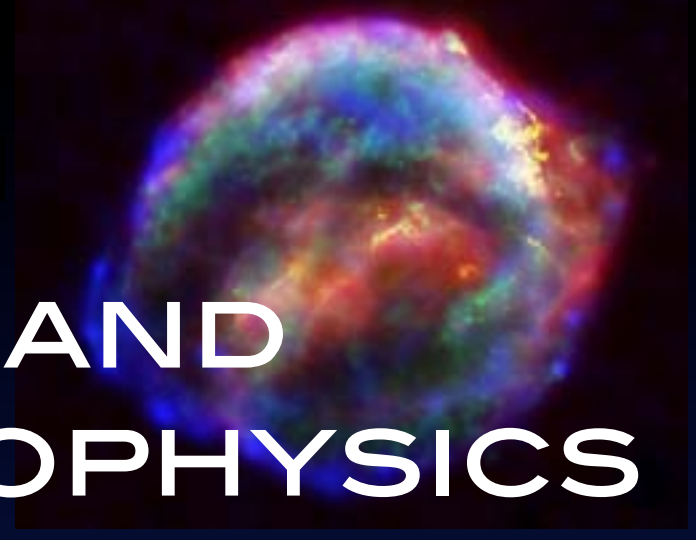
UC-HiPACC & SDSC PRESENT



Neutrino and Nuclear Astrophysics

The 2014 International Summer School on AstroComputing

July 21 - August 1, 2014

San Diego Supercomputer Center
University of California, San Diego

http://hipacc.ucsc.edu/issac2014.html

The interplay of frontier research in neutrino physics, nucleosynthesis, abundance observations, and high-performance computing lies at the heart of efforts to understand core collapse supernovae, compact object mergers, and the mass assembly history of galaxies. New observations are driving exciting new developments in these fields. This school will provide the background for addressing these issues, including use of several of the relevant computer codes. The school will be hosted at the SDSC, whose data-intensive computing facilities, including the Gordon supercomputer with a third of a petabyte of flash storage, are among the best in the world. All students at ISSAC 2014 will have accounts on Gordon, and will participate in hands-on code sessions in the afternoons with lectures in the mornings.

Director: George Fuller (UCSD)

Main Lecturers
Baha Balantekin (University of Wisconsin)
Joe Carlson (Los Alamos National Lab)
Huaiyu Duan (University of New Mexico)
Alex Friedland (Los Alamos National Lab)
Dan Kasen (UC Berkeley/Lawrence Berkeley Lab)
Evan Kirby (UC Irvine)
Tony Mezzacappa (Oak Ridge National Lab)
Christian Ott (Caltech)
Yong-Zhong Qian (University of Minnesota)

Additional Lecturers
John Cherry (Los Alamos National Lab)
Vincenzo Cirigliano (Los Alamos National Lab)
Carla Fröhlich (North Carolina State University)
George Fuller (UC San Diego)
Mark Paris (Los Alamos National Lab)
Joel Primack (UC Santa Cruz)

Housing: students will be staying at conference housing near the SDSC on the UCSD campus.

The **registration fee** for ISSAC 2014 will be $300; payment will be required at the time of acceptance. UC-HiPACC will cover lodging for all students, and some financial assistance may be available for travel expenses.

Apply by April 14, 2014, at the website http://hipacc.ucsc.edu/issac2014.html