



UNIVERSITY of CALIFORNIA, SANTA CRUZ

DEPARTMENT of PHYSICS

First-rate Science • Amazing Ambience • Close-knit Community

GRADUATE ADMISSIONS 2009

Graduate Admissions website:

<http://graddiv.ucsc.edu/admissions/>

Application website:

<https://apply.embark.com/Grad/UCSantaCruz/79/>

Deadline to submit applications for Fall 2009 admission: January 15, 2009

Application Filing Requirements:

<http://graddiv.ucsc.edu/admissions/reqs.php>

Physics Department website:

<http://physics.ucsc.edu>

Our students are funded through Teaching Assistantships, Research Assistantships and Fellowships.

CONDENSED MATTER and BIOPHYSICS

Sriram Shastry awarded the prestigious 2009 Lars Onsager Prize by the APS

Peter Young awarded the prestigious 2009 Aneesur Rahman Prize by the APS

Alexander Sher joins the the department as part of an expanding program in biophysics

David Belanger and **Frank "Bud" Bridges** resolve a hot issue on LaCoO_3 , a novel spin compound

Sue Carter and **Glenn Alers** developing the next generation solar-energy technology

Josh Deutsch explains key physics of magnetic avalanches on disk drives

Gey-Hong Gweon sheds light on graphene and high temperature superconductors

Onuttom Narayan solves a major puzzle in heat conduction along a Fermi-Pasta-Ulam chain

Zack Schlesinger develops a model to explain his negative thermal expansion data

PARTICLE PHYSICS and ASTROPHYSICS/COSMOLOGY

Several faculty members are involved in the **Large Hadron Collider** experiment, which is set to unveil a new world of particle physics

Steven Ritz, GLAST Project Scientist to join UCSC Physics faculty. **Fermi Gamma-Ray Space Telescope** (formerly "GLAST") successfully launched and obtaining first results

Joel Primack delivers distinguished J. Robert Oppenheimer Memorial Lecture at Los Alamos National Lab

Graduate student **Douglas Spolyar's** Physical Review Letter selected by the journal as Suggested Reading

Michael Dine speaks at Clay Foundation Symposium, "Stringy Reflections on the LHC". **Tom Banks** and **Michael Dine** each have new books from Cambridge University Press on advanced particle theory

VERITAS gamma-ray telescopes celebrate first light

BARREL, a flotilla of NASA balloons to study Earth's radiation belts, will have its mission control station at UCSC

