

COMPUTING THE UNIVERSE, JAN 12-16, 2015
BERKELEY CENTER FOR COSMOLOGICAL PHYSICS SYMPOSIUM AND HACK WEEK
Analysis challenges in the era of Big Data Astrophysics

Symposium & workshop dedicated to streamlining the generation of scientific insights from astrophysical data sets, focusing on the following:

- Cosmic Microwave Background: Planck, BICEP, SPT, PB, ACT
- Large Scale Structure: BOSS, DESI, LSST
- Supernovae and other time-domain cosmology
- Data Science tools and methods from industry

Invited lectures by:

- Tom Abel (Stanford)
- Salman Habib (Argonne Lab)
- David Hogg (NYU)
- Peter Norvig (Google)
- Matias Zaldarriaga (IAS)
- ...

SOC:

- Oliver Zahn
- Phil Marshal
- Jake Vanderplas
- Uros Seljak
- Saul Perlmutter
- Salman Habib
- Martin White

LOC:

- Oliver Zahn
- Beth Reid
- Kyle Barbary
- Blake Sherwin
- Melissa Barclay

From Jan 12-16, 2015 we will host our new annual "Computing the Universe" symposium and workshop, dedicated to bringing new solutions to some of the most pressing data analysis challenges in Cosmology and Computational Astrophysics.

Mornings will feature review talks on cosmology-specific data science topics as well as recent astrophysical data releases, and "cosmo data hacks" in the afternoons, where we will apply new methods and streamline existing ones to analyze these data sets in a highly hands-on fashion.

Berkeley features mild weather with significant sunshine during January. There will be an excursion to the beach or to SF (in case of less than optimal weather).

There will be no registration fee and we are making reservations for housing at LBL guest house and nearby hotels.

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