



A New Era in Ground-Based Astronomy with the Large Synoptic Survey Telescope

Dr. Steven Bickerton

The Large Synoptic Survey Telescope (LSST) will combine a light-gathering power among the largest in the world with an exceptionally wide field of view, allowing it to cover the night sky twice each week. Over its ten year run, the telescope will revisit each field 1000 times, enabling astronomers to study the time-variability of the observed targets. This presentation will highlight some of the main scientific drivers behind the LSST project, from dark matter to near-Earth asteroids; and will describe the instrumentation and software requirements necessary to achieve these scientific goals.

4PM, WEDNESDAY, FEBRUARY 15, 2012

Carlson Auditorium, Center for Imaging Science (Bldg. 76)