

Astronomy compels the soul to look upwards and leads us from this world to another.

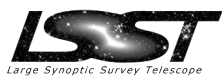
-Plato (B. Jowett translation)

WIRED



HOT-WIRING THE TRANSIENT UNIVERSE 5

Hot-wiring the Transient Universe 5 will explore opportunities and challenges of massively parallel time domain surveys coupled with rapid coordinated multi-wavelength follow-up observations. The interdisciplinary agenda includes future and ongoing science investigations, information infrastructure for publishing observations in real time, as well as novel data science to classify events and systems to optimize follow-up campaigns. Time domain astronomy is at the fore of modern astrophysics and crosses fields from solar physics and solar system objects, through stellar variability, to explosive phenomena at galactic and cosmological distances. Recent rapid progress by instruments in space and on the ground has been toward a continuous record of the electromagnetic sky with ever increasing coverage, sensitivity, and temporal resolution. With the advent of gravitational wave and neutrino observatories we are witnessing the birth of multi-messenger astronomy.



10-14 OCTOBER 2016
VILLANOVA UNIVERSITY

<http://hotwireduniverse.org>



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