

Time-Domain Astrominformatics

INVITED TALK

S. G. Djorgovski

California Institute of Technology, Pasadena, CA, USA
email: george@astro.caltech.edu

Abstract. Time-Domain astronomy exercises all aspects of the Virtual Observatory framework and Astrominformatics. Applications of machine learning and statistics to the analysis of large numbers of light-curves will increasingly yield new results as the data accumulate. However, the most challenging problems remain in the arena of rapid classification of transient events and their automated follow-up prioritisation. The talk illustrated those issues with examples from recent or ongoing synoptic sky surveys.

Keywords. Methods: data analysis, Surveys
