

Joe Incandela

**\*Title:** Life on the Critical Path: Constructing Silicon Detectors for High Energy Physics

**\*Abstract:** In this talk I discuss the tactics that have been employed in the construction of silicon detectors for collider experiments. Although the use of silicon strip detectors has increased dramatically over the past 2 decades, each generation has had to push the limits of scale, complexity and cost. These projects were very challenging. I will also relate some of the more important (and amusing) lessons learned during 15 years of involvement in silicon detector projects for the CDF and CMS experiments. The importance of direct involvement of detector builders in the physics program will also be discussed.