

Graduate Student Seminar

Overview of Organic

Semiconductors and

Photoinduced Absorption

Measurements

Josh Holt

Since the discovery in the late 1960's that a special type of plastics (polymers) can conduct charges (which led to the Nobel Prize in 2000), the field of organic semiconductors is ubiquitous and gaining momentum as everyone works towards a world of efficient light emitters and renewable energy sources. I will introduce the role of polymers in that race by explaining the basic physics of organic materials and the differences and advantages over their inorganic counterparts. I'll also introduce how I characterize their electronic properties using various experimental methods including pump-probe photoinduced absorption.

Tuesday March 27, 2007
11:00 in JFB 206