

Physics Colloquium
Monday September 25th, 2006
4:15 PM 428 Pupin Hall
Professor Dan Kabat of
Columbia University Physics Department

“Strings, Gauge Theory and Gravity.”

Abstract: String theory plays a prominent role in the search for theoretical structures beyond the standard model. I'll give some motivation for string theory and present some of its remarkable consequences. In particular it leads to a relationship between gravitational (string) and non-gravitational (gauge) theories. As I'll discuss, this provides a new calculational tool for studying gauge theories and gives a new perspective on the traditional problems of quantum gravity.

