



WYDZIAŁ MATEMATYCZNO – FIZYCZNY
Instytut Matematyki

Zaprasza na wykład pod tytułem:

**PREPROJECTIVE
ALGEBRAS - REVISITED**

który wygłosi:

prof. Helmut Lenzing

Uniwersytet Paderborn

In my talk I will first review the various (equivalent) definitions of the preprojective algebra associated to the path algebra of a finite (connected) quiver Q without oriented cycles. The preprojective algebra will be viewed as a positively graded algebra, correspondingly we will investigate its category of graded modules and derive from this its ring-theoretical and homological properties. A key aspect will be to treat graded modules over the preprojective algebra as functors on the mesh category of the quiver Q , which- in good cases - agrees with the preprojective component. The focus will be on the tame hereditary case where the features of the preprojective algebra are especially nice because of its link to the theory of Kleinian (or simple) singularities.

Wykład odbędzie się **27 maja 2015 r.** (środa)
o godz. **16.00** w sali 212
w budynku Wydziału Matematyczno – Fizycznego.