WYDZIAŁ MATEMATYCZNO – FIZYCZNY
Instytut Matematyki

Zaprasza na wykład pod tytułem:

NONCOMMUTATIVE REAL ELLIPTIC CURVES

który wygłosi:

prof. Dirk Kussin

Uniwersytet Szczeciński

It is well-known that complex smooth projective curves correspond to compact Riemann surfaces. Similarly, real smooth projective curves correspond to the Klein surfaces. The real (=boundary) points form so-called ovals. Witt studied Klein surfaces with an even number of marked points on each of its ovals. We show that this leads to noncommutative real smooth projective curves, which we call Witt curves. We then consider those curves of Euler characteristic zero, the noncommutative real elliptic curves. Prominent commutative examples are the Klein bottle, the Moebius band and the annulus, but there are also not-commutative ones. We will show that the Klein bottle has a (noncommutative) Witt curve as a so-called Fourier-Mukai partner.

Wykład odbędzie się **07 maja 2015 r.** (czwartek)
o godz. **16.00** w sali 212
w budynku Wydziału Matematyczno – Fizycznego.