

# Mathematics Colloquium at IUB

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will speak on

*Non-Coherent Lattices in Hyperbolic Spaces  
of Dimensions Bigger Than 3*

**Date:** Monday, September 11, 2006

**Time:** 17:15

**Place:** Lecture Hall Research II, IUB

**Abstract:**

In a joint paper with M. Kapovich and E. Vinberg we proved that all non-uniform arithmetic lattices in the hyperbolic spaces of dimension bigger than 5 are non-coherent (i.e. they contain finitely generated but infinitely presented subgroups). For uniform lattices and non-arithmetic lattices we constructed in every dimension  $n > 3$  a series of non-coherent examples.

**Colloquium Tea** at ca. 16:45 in the Tea Room of Research II, close to the lecture hall. Everybody is welcome!