UNICAMP – IMECC
Departamento de Matemática

# Seminário de Sistemas Dinâmicos e Estocásticos

**Expositor:** S. Petite (Université de Picardie)

**Título:** Some open problems in tiling theory

**Data:** Quarta-feira, 18 de janeiro de 2012, 14h

**Local:** Sala 321 do IMECC

**Resumo.** A new alloy, called quasicrystal, has been discovered in the 80's. Its combinatorial structure, even complicated, has a strong hierachical structure but is not periodic. Natural questions appear: How to classify them? Or how to explain the mechanisms that produce this structure? The aim of this talk is to discuss some relevant open problems in combinatorics and in ergodic theory related to these questions.