Mathematics Colloquium
at Jacobs University Bremen

Carsten Lunde Petersen

(Roskilde University)

will speak on

Encoding the Mandelbrot Set
by Combinatorial-Analytic Invariants

Date: **Monday, February 12, 2007**
Time: **17:15**
Place: **Lecture Hall Research II, IUB**

Abstract:
The combination of Yoccoz parameter puzzles and a family of trees of natural $z \mapsto z^2$ (forward) invariant equivalence classes provides a model for the Mandelbrot set as an earth bounded by a cardiod and populated with decorated infinite trees.

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

M. Stoll