Mathematics Colloquium
at Jacobs University Bremen

Mikhail (Misha) Lyubich

(Stony Brook/NY and Toronto)

will speak on

Recent Developments on Local Connectivity of the Mandelbrot Set

Date: **Thursday, January 24, 2008**
Time: **16:15**
Place: **Lecture Hall Research II, Jacobs University**

Abstract:

The Mandelbrot set M is the bifurcation diagram in the compex quadratic family.

It was conjectured about 25 years ago by Douady and Hubbard that this set is locally connected.This assertion would have a number of important consequences including complete topological understanding of M. In the talk we will give an overview of old and recent developments in this problem.

Colloquium Tea at ca. 15:45 in the Tea Room of Research II, close to the lecture hall. Everybody is welcome!

M. Stoll