



JACOBS
UNIVERSITY

Mathematics Colloquium at Jacobs University Bremen

DMITRY FEICHTNER-KOZLOV

(Universität Bremen)

will speak on

Combinatorial Algebraic Topology

Date: Monday, September 17, 2007

Time: 17:15

Place: Lecture Hall Research II, Jacobs University

Abstract:

Combinatorial Algebraic Topology is concerned with computing algebraic invariants of combinatorially given cell complexes by combinatorial means. It arises from the quest of explicit descriptions of invariants in Algebraic Topology, and has applications in Discrete Mathematics.

In this talk we shall outline the general philosophy of Combinatorial Algebraic Topology and then proceed with illustrating it by an example. More specifically, we will introduce characteristic classes of certain spaces with a free involution as obstructions to graph colorings.

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