

Dieter Kotschick

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will speak on

**Fundamental groups of Kähler manifolds and
combinatorial group theory**

ABSTRACT: The study of fundamental groups of Kähler manifolds is a fascinating enterprise at the crossroads of various branches of geometry and topology, with strong relations to algebra and analysis as well. This lecture will survey some recent developments in this area, focussing on applications of the so-called Albanese map (which will be introduced during the lecture). Several results pertaining to groups of interest in low-dimensional topology and in combinatorial and geometric group theory will be discussed.

MONDAY, SEPTEMBER 17, 2012

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS