



# UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

## Colloquium

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**Dr. Dietmar Bisch**  
**Vanderbilt University**

“Subfactors with small Jones index”

**Abstract:**

It is well-known that algebras of bounded linear operators on Hilbert space are intimately related to quantum topology. Subfactors capture "quantum symmetries" in a natural way, and many new structures have emerged from subfactor theory. I will describe some of these and report on recent work on the classification of subfactors with Jones index at most 6. The talk will be accessible to non-experts.

**Monday, April 15<sup>th</sup>, 2013**

**Surge 284**

*Tea Time 3:40 p.m. – Talk Begins 4:10 p.m.*