



# UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

## Colloquium

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

“Subfactors with infinite representation theory”

**Abstract:**

A subfactor has infinite representation theory, or infinite depth, if its standard representation generates infinitely many non-equivalent irreducibles. Such subfactors are hard to construct, and only very few methods are known to explicitly construct examples. I will highlight one such procedure and discuss analytical properties of these subfactors. The talk will be accessible to non-experts.

**Thursday, April 24<sup>th</sup>, 2014**

**Surge 284**

*Tea Time: 3:40 p.m. / Talk: 4:10 – 5:00 p.m.*