

WABASH EXTRAMURAL MODERN ANALYSIS SEMINAR

December 1

2:00 p.m.

at

Wabash College

in rooms 114 and 118 Baxter Hall

*Times given are Eastern Time,
which is currently local time for Central Indiana and Ohio.*

- 2:00–2:30** *Refreshments and conversation*
- 2:30–3:30** **On simple amenable groups**
KATE JUSCHENKO, Vanderbilt University
- 3:30–4:00** *More refreshments and conversation*
- 4:00–5:00** **Operator algebraic aspects of free quantum groups**
MICHAEL BRANNAN, University of Illinois at Urbana-Champaign
- 5:00–...** *Refreshments and farewells*

The purpose of Wabash Seminar talks is to present surveys of interest to all analysts, including graduate students and scholars working in areas far from the speaker's specialty. Come and meet your fellow analysts, learn what's going on, and spread the word.

Next Meeting: TBA

For further information call

Marius Dadarlat, Purdue University, (765) 494-1940

E-mail: mdd@math.purdue.edu

Web: <http://www.math.purdue.edu/~mdd/Wabash/>

On simple amenable groups

KATE JUSCHENKO

We will discuss amenability of the topological full group of a minimal Cantor system. Together with the results of H. Matui this provides examples of finitely generated simple amenable groups. This is joint work with N. Monod.

Operator algebraic aspects of free quantum groups

MICHAEL BRANNAN

In this talk, I will discuss some concrete examples of compact quantum groups, and describe some recent developments in our understanding of their operator algebraic structure. The main examples we will focus on are the “free” analogues of the classical orthogonal, unitary and permutation groups. Topics we will address include approximation properties, (strong) solidity, and the (strong) asymptotic freeness of their generators.