

# WABASH EXTRAMURAL MODERN ANALYSIS SEMINAR

February 24

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**     **Classification of unital simple separable nuclear  $C^*$ -algebras**  
*GUIHUA GONG, University of Puerto Rico*
- 3:30–4:00**     *More refreshments and conversation*
- 4:00–5:00**     **The Large- $N$  Limit of the  $q$ -Segal-Bargmann Transform**  
*CHING-WEI HO, University of California at San Diego*
- 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: April 21

*For further information call*

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## **Classification of unital simple separable nuclear $C^*$ -algebras**

GUIHUA GONG

In this talk, I will give a survey on classification of  $C^*$ -algebras. We will present a classification theorem of unital simple separable  $C^*$ -algebras with finite nuclear dimension. The talk is based on a joint work with Huaxin Lin and Zhuang Niu and a joint work with George Elliott, Huaxin Lin and Zhuang Niu.

## **The Large- $N$ Limit of the $q$ -Segal-Bargmann Transform**

CHING-WEI HO

Sniady constructed a random matrix model which has a limiting noncommutative distribution of the  $q$ -Gaussian distribution. We prove that the Segal-Bargmann transform on the Sniady random matrix model converges to the  $q$ -Segal-Bargmann transform in  $L^2$  sense.