

# TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

**Milen Yakimov**

Louisiana State University

will speak on

## **Noncommutative discriminants and Poisson geometry**

ABSTRACT: Discriminants play a key role in various settings in algebraic number theory, algebraic geometry, combinatorics, and noncommutative algebra. We will introduce this notion and explain some of its applications. In the case of noncommutative algebras, discriminants have been computed in very few cases. We will present a general method for doing this that builds a connection to Poisson geometry. This is a joint work with Bach Nguyen and Kurt Trampel (LSU).

MONDAY, APRIL 25

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN HALL

DEPARTMENT OF MATHEMATICS