

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

**Lawrence Washington**

University of Maryland

will speak on

**Zeta functions and  $L$ -functions: classical and  $p$ -adic**

ABSTRACT: The Riemann zeta function and its generalizations are among the most fascinating objects in mathematics. In the 1960's, Kubota and Leopoldt introduced  $p$ -adic analogues of these functions. This talk will compare and contrast the classical and  $p$ -adic cases and explore what each can and cannot do.

MONDAY, APRIL 4, 2011

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS