Temple University Mathematics Colloquium

Philip Gressman

University of Pennsylvania

will speak on

Geometric Considerations in Harmonic Analysis

ABSTRACT: The talk will begin with a broad-stroke history of the last century of development in harmonic analysis, with particular attention paid to the last fifty years and the rise of geometric questions related to the convergence of Fourier series (e.g., the Fourier restriction problem). We will then discuss a relatively new sort of curvature condition (with distinct harmonic analysis appeal) due to D. Oberlin and consider several recent results aiming at a better understanding of the Oberlin condition.

Monday, April 2, 2012
Lecture at 4:00 pm
Coffee, tea, and refreshments from 3:40 pm
Room 617, Wachman Building
Department of Mathematics