

The College of Arts & Sciences  
Department of Mathematical Sciences

Colloquium

# Paul Hagelstein

Baylor University

Thursday, March 14<sup>th</sup>  
Room 220, 60 West Charlton  
4:00 – 5:00 pm

## *Differentiation of Integrals: Frontiers and Perspectives*

The topic of differentiation of integrals arises with the origins of calculus, yet in many respects remains mysterious with many open problems. This informal talk will give a broad overview of the subject of differentiation of integrals, highlighting results from the seventeenth through the twenty-first centuries. An emphasis will be given on open problems and why they are difficult. Recent applications of partial differential equations will also be discussed.

Refreshments will be served 3:15 – 3:45 pm in the Faculty & Graduate Student Lounge Room 4118 French Hall West