Pacific Institute for the Mathematical Sciences

MALABIKA PRAMANIK
Professor, University of British Columbia Mathematics

TITLE: NEEDLES, BUSHES, HAIRBRUSHES AND POLYNOMIALS

ABSTRACT:
Pretend that your car is a unit line segment. How do you perform a three point turn using an infinitesimally small area on the road? It turns out that this seemingly impossible driving stunt is related to the fundamental theorem of calculus, as well as all the objects in the title of this talk! We will explore these connections and see how they have been useful in many problems in mathematics.

BIO:
Malabika Pramanik is a Professor at UBC. She obtained her PhD in 2001 from University of California at Berkeley. She is a distinguished researcher in harmonic analysis and its applications. Prof. Pramanik is widely recognized as one of the most talented analysts of her generation. In 2016, she received the prestigious Canadian Mathematical Society Krieger-Nelson prize for research excellence as well as the Ruth Michler Memorial Prize from the Association for Women in Mathematics.

Friday—March 3, 2017
12:00—12:50 pm
UHall D634
*** Sandwiches and cookies ***