



Pacific Institute for the
Mathematical Sciences

PIMS Distinguished Speakers Series

MARTIN BARLOW *University of British Columbia*



Title: Anomalous Diffusion

Abstract:

The term ‘anomalous diffusion’ is used by physicists to describe systems where the mean square deviation of randomly diffusing particle is sublinear in n . I will describe the mathematical treatment of anomalous diffusion on deterministic graphs, and also some random graphs arising from models in statistical physics.

Bio:

Martin Barlow is a well-known British mathematician (University of Liverpool, Trinity College, and University of Cambridge), now one of the star professors at the University of British Columbia.

Awards:

Rollo Davidson for early-career probabilist in 1984; Fellow of the Royal Society of Canada, the Royal Society, and of the American Mathematical Society

Research Interests:

Probability, Brownian motion, and fractal sets.

Friday—February 2, 2018

12:00 to 12:50 pm

D-634

** Pizza **