Pacific Institute for the Mathematical Sciences

PIMS Distinguished Speakers Series

SARA FARIDI

Professor of Mathematics

Dalhousie University

TITLE: Graphs, hypergraphs, and algebra

ABSTRACT:

In this we will give connections between the study of discrete objects like graphs, hypergraphs and lattices and questions in algebra that they can help answer. We will then demonstrate what the effect of field characteristic is on some of these algebraic questions, and where algebraic topology helps answer the same questions more precisely.

BIO: Professor Faridi's research interests are in Commutative Algebra, as well as Computational and Combinatorial Algebra. She received her PhD degree in 2000 at the University of Michigan, Ann Arbor. She then has held postdoctoral and faculty positions at University of Ottawa, University of Quebec at Montreal and George Washington University. She has also been a visiting scholar at Technische Universitaet Darmstadt and MSRI. She is Vice-President of the Atlantic of the Canadian Mathematical Society.

Friday—November 23, 2018

12:00 to 12:50 pm

D-634

**** Light Lunch ****