

McMaster University





University of Waterloo

THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

COLLOQUIUM IN DYNAMICAL SYSTEMS

SPEAKER:

IAN PUTNAM Department of Mathematics and Statistics University of Victoria

On the Topic:

"Invariants for Dynamical Systems via C*-algebras"

I will discuss how one can construct C*-algebras from dynamical systems and then how various ideas from C*-algebra theory can be used to obtain invariants for the dynamics. The systems I will consider are discrete topological systems. I will discuss minimal homeomorphisms of zerodimensional spaces and also some "irreducible hyperbolic" systems - e.g. Anosov diffeomorphisms and basic sets for Axiom A systems. I will not assume any familiarity with C*algebras.

Thursday, May 6, 1993

3:30 pm, room 3018

at

The Fields Institute

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