

McMaster University





University of Waterloo

## THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

## DIRECTOR'S SEMINAR

**SPEAKER:** 

## JACQUES HURTUBISE McGill University

On the Topic:

## "Labelled Particles, Rational Maos, and the proof of the Atiyah-Jones Conjecture"

The moduli spaces of instantons and the moduli spaces of holomorphic maps of Riemann surfaces into certain manifolds have several points in common. A first is that they are realized as minima of natural action functionals. A second is that they are indexed by a topological degree, or charge, and as one increases this charge the topology of these moduli spaces tends to mirror that of the function space in which they live. A survey will be given of this type of result.

Monday, February 1, 1993

4:00 pm, room 3018

at

The Fields Institute

185 Columbia Street West, Waterloo, Ontario N2L 5Z5 Telephone: (519) 725-0096 Fax: (519) 725-0704 Supported by the Ministry of Colleges and Universities of Ontario and the Natural Sciences and Engineering Research Council of Canada