



McMaster University



University of Toronto



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**