



McMaster University



University of Toronto



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**THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES**

**GENERAL SEMINAR SERIES IN DYNAMICAL SYSTEMS**

**SPEAKER:**

**KAREN DIEMER**  
The Fields Institute

On the Topic:

**"Lattice Gas Hydrodynamics for One and Two Phase Flows"**

Lattice Gas Cellular Automata techniques for modelling the Navier-Stokes equation will be presented. Comparisons with finite difference, analytical and experimental results for certain geometries will be discussed. Applications to two-phase flow and flow through porous media will be shown.

**Thursday, April 15, 1993**

**(Post-poned from April 1, 1993)**

**1:30 pm, room 3018**

**at**

**The Fields Institute**