

Statistical Physics at the 45th Parallel: 3rd Annual Meeting, Clarkson University¹

M. F. Shlesinger (Invited Speaker)
Office of Naval Research
Universality in Glassy Relaxation

V. Privman, Chairman
Clarkson University

C. R. Doering (Review Talk)
Clarkson University
Statics and Dynamics of a Diffusion-Limited Reaction Process

Short talks

J.-C. Lin
Clarkson University
Joint Density Closure Schemes for a Diffusion-Limited Reaction

A. Lawniczak
University of Guelph
Lattice Gas Cellular Automata Models for Reaction-Diffusion Equations

S. Redner
Boston University
Super Diffusive Transport Due to Random Velocities

L. Macot
Concordia University
Two Effects of a Refractory Period on a Cellular Automaton

P. Vasilopoulos
Ecole Polytechnique
Novel Magnetotransport Effects in a Periodically Modulated Two-Dimensional Electron Gas

¹ Sponsored by the Physics Department, Clarkson University, Potsdam, New York, and the Adirondack North Country Association, November 3-4, 1989.

C. Van Vliet

University of Montreal

A Quantum-Electrodynamical Theory of Infrared Divergence and Quantum $1/f$ Noise in Condensed Matter

I. S. Graham

McGill University

Relevance of Shear Modes in Scatterers for Acoustic Localization

L. S. Schulman

Clarkson University

Model of a Measurement Apparatus

B. Watson, Chairman

St. Lawrence University

R. Harris (Review Talk)

McGill University

Numerical Studies of the Dynamics of Interfaces

Short talks

M. Zuckermann

McGill University

Phase Behavior of Lipid Membranes Containing Cholesterol: The Latest Results

M. Grant

McGill University

Interface Growth in Driven Systems

D. Frazer

McGill University

Simulations of an Off-Lattice Model for the Phase Behavior of Lipid Monolayers

M. Laradji

McGill University

Simulations of a Simple Microemulsion Model

J. R. Thomson

McGill University

Model for Pattern Formation in Primate Visual Cortex

M. Zuckermann, Chairman

McGill University

H. L. Frisch (Invited Speaker)

State University of New York at Albany

An Ordering Transition of Hard Rod-Like Particles in Infinite Dimensions

Short talks

K. Elder

McGill University

Early Stage Dynamics of First-Order Phase Transitions

M. Bartelt and V. Privman

Clarkson University

Rounding of First-Order Transitions in Finite-Size Systems with Interfaces Induced by Boundary Conditions

B. Frank

Concordia University

New Stochastic Method for Critical Exponent Calculation

B. Grossmann

McGill University

Monte Carlo Renormalization Group Study of Self-Organized Criticality

I. L'Heureux

University of Ottawa

Noise Induced Transitions in a Non-Linear System

S. Redner, Chairman

Boston University

Short talks

S. Lovejoy, D. Lavallée, A. Davis, and D. Schertzer

McGill University

Universal Multifractals, Clouds, and Radiative Transfer

Y. H. Li

Rochester University

Three Dimensional Random XY Model: Application to the Superfluid Transition of ^4He in Porous Media

X. R. Wong

Rochester University

Scaling of the Shortest Path Aggregation

D. W. Geldart

Dalhousie University

Dipolar Effects in Gadolinium

M. L. Glasser

Clarkson University

Statistical Mechanics of Composite Systems

M. F. Haque, N. Kallay, V. Privman, and E. Matijevic

Clarkson University

Magnetic Interactions of Colloid Particles

G. Forgacs

Clarkson University

Viscosity of Concentrated Solutions: An Approach Based on Percolation Theory

M. Grmela

Ecole Polytechnique

Hamiltonian Dynamics of Complex Fluids

C. Marchetti

Syracuse University

Dislocation Loops and Bond-Orientational Order in the Abrikosov Flux Line Lattice

J. Mizia

Queens University

Basic Thermodynamics of a Monte Carlo Simulation for the Solid-Liquid Interface

D. ben-Avraham

Clarkson University

Lattice Models of Heterogeneous Catalysis

D. Considine

Boston University

Kinetics of Adsorption- and Reaction-Limited Heterogeneous Catalysis

Daniel ben-Avraham, Organizer

Clarkson University