

**Program of Australian Statistical Mechanics Meeting  
Australian National University  
Canberra**

**3 and 4 November 1986**

1. M. A. Suhm, Research School of Physical Sciences, Australian National University, Quantum Monte Carlo simulation in vibrational spectroscopy: Variations on a theme.
2. G. Morris and D. Evans, Research School of Chemistry, Australian National University, Beyond linear response theory—Transient time correlation functions.
3. R. Edberg, Research School of Chemistry, Australian National University, Hydrocarbon rheology via nonequilibrium molecular dynamics.
4. S. Nordholm, Department of Theoretical Chemistry, University of Sydney, Thomas–Fermi theory and chemical bonding.
5. S. Mair, Division of Chemical Physics, CSIRO, Clayton, Victoria, Molecular dynamics study of a structural phase transition in a two-dimensional crystal.
6. J. Oitmaa, School of Physics, University of New South Wales, Monte Carlo simulations; experiences of a beginner.
7. N. Frankel, Department of Physics, University of Melbourne, Fractal structure of our Universe.
8. R. J. Baxter, Research School of Physical Sciences, Australian National University, Chromatic polynomials of two-dimensional lattices.
9. P. A. Pearce, Department of Mathematics, University of Melbourne, Scaling in the magnetic hard-square lattice gas.
10. J. Roberts, Department of Mathematics, University of Melbourne, Dynamics of the discrete classical Heisenberg chain.
11. L. Hume, Research School of Physical Sciences, Australian National University, Return to equilibrium in the  $XY$  model.

12. M. N. Barber, Department of Mathematics, The Faculties, Australian National University, Conformal invariance and the spectrum of the  $XXZ$  spin chain.
13. C. J. Hamer, Research School of Physical Sciences, Australian National University, Conformal invariance and finite-size scaling in the eight-vertex model.
14. M. Batchelor, Department of Mathematics, The Faculties, Australian National University, The Bethe ansatz on a finite lattice.
15. F. C. Alcaraz, Department of Physics, Sao Carlos, Brazil, and Department of Mathematics, The Faculties, Australian National University, Finite-size studies in two-dimensional  $Z(N)$  spin systems.
16. A. J. Guttmann, Department of Mathematics, University of Newcastle, Directed percolation.
17. C. A. Hurst, Department of Mathematical Physics, University of Adelaide, Pfaffians and the Potts model.
18. C. J. Thompson, Department of Mathematics, University of Melbourne, Systems with competing interactions.
19. C. A. Tracy, Department of Mathematics, University of California, Davis, Integrable lattice models and some recent conjectures relating to Kac-Moody Lie algebras.
20. T. C. Choy, Research School of Physical Sciences, Australian National University, Two-dimensional Penrose lattice: Electronic states and dc conductivity.
21. G. R. Quispel, Research School of Physical Sciences, Australian National University, Some solitons.