

International Workshop on
Quantum Noise

incorporating a "Gardiner Symposium"
to celebrate Crispin Gardiner's
contributions to
Quantum Optics and Atom Optics

14 - 18 MAY 2007, Sunshine Coast, Australia

<http://acqao.org/qn>

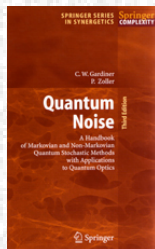
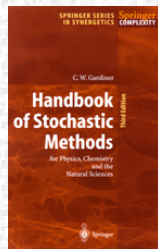
TOPICS

- Quantum optics and atom optics
- Recent advances in BEC physics
- Degenerate Fermi gases and Bose-Fermi mixtures
- Stochastic methods and novel computational techniques
- Bosons and fermions in lattices
- Atom-molecular BEC
- Atom-light entanglement
- Macroscopic tests of quantum mechanics

DEADLINES

- **Abstract submission:** 23 February 2007
- **Early registration:** 16 March 2007

CRISPIN GARDINER



Crispin Gardiner, cofounder of the renowned New Zealand quantum optics school and now Professor at the University of Otago, has made outstanding contributions to quantum and atom optics, including:

- Input-output theory of optical cavities
- Generalised-P representations
- Inhibition of atomic phase decays
- Cascaded quantum systems
- Quantum kinetic theory of condensate growth

INVITED SPEAKERS

- Brian Anderson, Arizona, USA
- Rob Ballagh, Otago, New Zealand
- Howard Carmichael, Auckland, New Zealand
- Subhash Chaturvedi, Hyderabad, India
- Matthew Collett, Auckland, New Zealand
- Crispin Gardiner, Otago, New Zealand
- Ed Hinds, Imperial College, United Kingdom
- Gerd Leuchs, Erlangen, Germany
- Scott Parkins, Auckland, New Zealand
- Sylvania Pereira, Delft, The Netherlands
- Matthias Troyer, Zurich, Switzerland
- Chris Westbrook, Institut d'Optique, France
- Peter Zoller, Innsbruck, Austria

VENUE



Grand Pacific resort, Caloundra,
Sunshine Coast, Queensland, Australia

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AUSTRALIAN RESEARCH COUNCIL
CENTRE OF EXCELLENCE FOR
QUANTUM-ATOM OPTICS