9. Conferences 2001

▶ BS 2000 Workshop on Stochastics and Quantum Physics, World Mathematical Year Special Workshops February 5–9, 2001 (tentative), Eindhoven (The Netherlands)

Themes

The aim is to bring together physicists and mathematicians interested in stochastic aspects of quantum mechancis, especially as connected to recent developments in quantum computing, cryptography, communication. We will pay attention to stochastic process models in quantum optics, decoherence and more generally, of continuous time observation of a quantum system; to statistical inference on quantum states, to quantum tomography and to other approaches to quantum state reconstruction; and to the interplay between 'quantum probability' and 'classical probability' modelling.

Format

The meeting will take the form of a small-scale semi-closed workshop of about four days with around 40 participants. We hope to provide substantial financial support for many of the participants. Appended to this, as will be the case for the other World Mathematical Year meetings organized by the Bernoulli Society and other organizations, will be a more large-scale, open and public-oriented one day *happening* with further speakers, to bring to the public the role of mathematics in the modern world. On this day we will pay attention to philosophical aspects (locality, measurement problem), cosmology, and to societal/technological implications (quantum computers etc).

Organizers

Richard D. Gill (Utrecht, email: gill@math.uu.nl)
Hans Maassen (Nijmegen, email: maassen@sci.kun.nl)

About EURANDOM

EURANDOM is a recently founded European institute for research in statistics, probability, and stochastic operations research. Roughly 25 young researchers at any moment have post-doctoral fellowships there, and it hosts frequent workshops and conferences on topics connected to its research programme. EURANDOM is supported by the Dutch ministry of science and education, and located on the campus of the Eindhoven University of Technology.

`http:www.eurandom.nl`

SPA'01—27th International Conference on Stochastic Processes and their Applications July 9–14, 2001, Cambridge (UK)

Information: J.R. Norris. Email: spa27@statslab.cam.ac.uk

Harry Pavlopoulos and Ed Waymire in Athens (Greece)