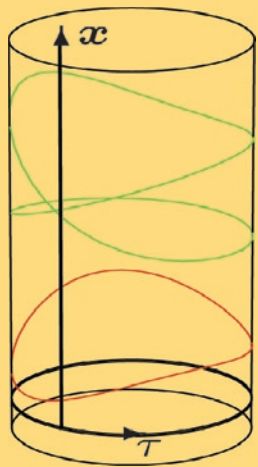


International Conference on
Path Integrals - New Trends and Perspectives

September 23 - 28, 2007

Scientific coordination:

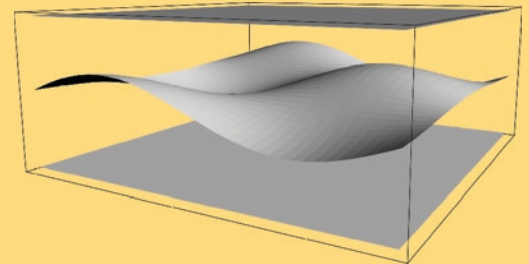


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Since its founding in 1983 the series of path-integral conferences has emphasized the broad range of path-integral applications in many fields of physics and chemistry. The series thus has an interdisciplinary role, bringing together scientists whose interest in the path integral spans many fields, allowing to exchange opinions, discuss problems, and disseminate new ideas.

Continuing this tradition also this year's conference represents most recent developments of the path-integral approach in such standard fields as quantum mechanics or quantum and statistical field theory. The conference is also devoted to modern topical subjects, such as atomic and molecular Bose-Einstein condensation or carbon nanotubes, where path integrals have recently turned out to be very useful. Furthermore, it will compare the many Monte Carlo techniques based on the path-integral approach. Other challenging applications range from studying the thermal fluctuations of polymers and membranes in the realm of biophysics to the treatment of stochastic processes in econophysics, such as option pricing and risk management. Finally, path-integral methods in quantum gravity, astrophysics, and cosmology will be reviewed.

Invited speakers include (to be confirmed):*

J. Ambjørn (Denmark), M. Bachmann (Sweden), E. Bittner (Germany), J.-P. Bouchaud* (France), F. Brosens (Belgium), H.-P. Büchler (Austria), Z. Burda (Poland), D. M. Ceperley (USA), D. Chandler (USA), J. Devreese (Belgium), C. De-Witt Morette (USA), V. Dohm (Germany), R. Egger (Germany), G. V. Efimov (Russia), L. Faddeev* (Russia), R. Folk (Austria), E. Frey (Germany), R. Friedrich (Germany), K. Fujikawa (Japan), H. Grabert (Germany), J. Gracey (UK), R. Graham (Germany), M. C. Gutzwiller (USA), F. Haake (Germany), P. Hänggi (Germany), Y. Holovatch (Ukraine), A. Inomata (USA), R. W. Jackiw (USA), C. Kiefer (Germany), J. R. Klauder (USA), H. Kleinert (Germany), K. Kroy (Germany), H. Leschke (Germany), L. N. Lipatov* (Russia), D. R. Nelson (USA), V. V. Nesterenko (Russia), P. Nielaba (Germany), V. N. Plechko (Russia), R. Rivers (UK), R. Ruffini (Italy), L. H. Ryder (UK), T. Sauer (USA), V. Sa-Yakanit (Thailand), A. Schakel (Germany), M. Schreiber (Germany), L. S. Schulman (USA), B. N. Shalaev (Russia), A. A. Slavnov (Russia), F. Steiner (Germany), M. Suzuki (Japan), V. Tognetti (Italy), R. Vaia (Italy), U. Weiß (Germany), K. J. Wiese (France), V. S. Yarunin* (Russia), J. Zinn-Justin (France), M. Zirnbauer (Germany)

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Applications are welcome and should be made by using the application form on the seminar and workshop web page. Please note that the number of attendees is limited. The registration fee is €100, costs for accommodation and meals will be covered by the Max Planck Institute. In exceptional cases, limited funding is available to partly cover travel expenses. Please note that childcare is available upon request.

Deadline for applications is June 30, 2007.



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