

# International Symposium on Entanglement, Information & Noise

June 14 - 20, 2004

to be held in Krzyżowa, Poland

*Scientific coordinators:*

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Max-Planck-Institut for  
the Physics of Complex Systems  
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**Sponsored by the Polish Network LFPI and the VolkswagenStiftung**

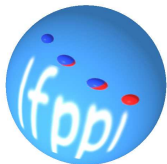
The symposium brings together leading international experts in the foundations and current frontiers of quantum information science, and calls for the participation of promising PhD students and young PostDocs working in this field. We wish to cover the entire spectrum of this truly interdisciplinary new area of physics, reaching from mathematics over theoretical physics to experiments, such as to identify open and challenging problems, as well as realistic strategies for their solution. Entanglement measures and their dynamical evolution under the influence of the environment will define the specific focus of the meeting, and in particular the consequences thereof for realistic scenarios of quantum information processing. Besides oral contributions, ample time and space will be given to poster presentations and informal discussions.

## Invited speakers:

Ch. Bennett (Yorktown Heights), I. Bengtsson (Stockholm), J. Bergou (New York), T. Beth\* (Karlsruhe), R. Blatt (Innsbruck), H. J. Briegel (Innsbruck), L. Davidovich (Rio de Janeiro), B.-G. Englert (Singapore), M. Fannes (Leuven), N. Gisin\* (Geneve), I. Guarneri (Como), P. Hänggi (Augsburg), L. Hardy (Waterloo), T. F. Havel (MIT), A. Holevo (Moscow), P. Horodecki (Gdansk), V. Kendon (London), S. Kilin (Minsk), A. Kossakowski (Torun), M. Kuś (Warszawa), R. Laflamme (Waterloo), G. Leuchs (Erlangen), G. Lindblad (Stockholm), D. Loss (Basel), A. Łoziński (Krakow), M. A. Martin-Delgado (Madrid), F. Mintert (Dresden), L. W. Molenkamp (Würzburg), K. Mølmer (Aarhus), R. Mosseri (Paris), M. Orszag (Santiago), D. Petz (Budapest), R. Rebolledo (Santiago), M. B. Ruskai (Medford), R. Schack (London), W. Strunz (Freiburg), A. Uhlmann (Leipzig), F. Verstraete (Garching), R. F. Werner (Braunschweig), P. Zanardi (Torino) \* to be confirmed

The symposium takes place in the Conference Centre of Krzyżowa (Lower Silesia), Poland. More information about Krzyżowa can be found through <http://www.krzyzowa.org.pl/>

**Application** forms can be filled in online on the symposium's webpage. The deadline for applications is February 29, 2004. The registration fee is 350 € covering all local expenses including accommodation and meals. In exceptional cases, limited funding is available to partly cover travel expenses.



**For further information please contact:**

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