

Stochastic Resonance: New Horizons in Physics and Engineering

October 4 - 7, 2004

SCIENTIFIC COORDINATORS:

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The theme of this international workshop has its focus on the phenomenon of Stochastic Resonance in nonlinear systems in physics, engineering sciences, geophysics and biological physics. In addition we attempt to feature also related fluctuation phenomena such as fluctuation theorems and more general noised-induced resonance phenomena in complex systems. The goal is to identify new ideas, guiding novel advances and applications within those differing, although related, areas of sciences.

The main workshop topics are:

- Stochastic Resonance
- Fluctuation Phenomena
- Nonlinear Resonances and Chaos
- Quantum Resonances

INVITED SPEAKERS (* TO BE CONFIRMED):

P. Babinec (Bratislava, Slovakia)	H. Benner (Darmstadt, Germany)	A. Buchleitner (Dresden, Germany)
A. Bulsara* (San Diego, USA)	E.G.D. Cohen (New York, USA)	A. Dubkov (Nizhni-Novgorod, Russia)
J. Eisert (Potsdam, Germany)	U. Feudel (Oldenburg, Germany)	L. Gammaitoni (Perugia, Italy)
Z. Gingl (Szeged, Hungary)	P. Gora (Krakow, Poland)	I. Goychuk (Augsburg, Germany)
L. Kish (College Station, USA)	T. Klinger (Greifswald, Germany)	S. Kohler (Augsburg, Germany)
Y-C. Lai (Tempe, USA)	F. Marchesoni (Camerino, Italy)	M. Morillo (Sevilla, Spain)
F. Marin (Firenze, Italy)	F. Nori (Saitama, Japan)	A. Pikovsky (Potsdam, Germany)
T. Prager (Berlin, Germany)	S. Rahmstorf (Potsdam, Germany)	M. Rubi (Barcelona, Spain)
N. Stocks (Warwick, U.K.)		

Applications are welcome and should be made by using the application form on the conference web page. However, please note that the number of attendees is limited. The registration fee is €70, costs for accommodation and meals will be covered by the Max Planck Institute. In exceptional cases, limited funding for travel expenses is available.

Deadline for applications is June 30, 2004.



For further information and application forms please contact:

Visitors Program

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