

3rd workshop on Quantum Chaos: Theory and Applications

*Dedicated to the 65th birthday of
Marcos Saraceno*

Laboratorio Tandar - Buenos Aires, Argentina.
December 1-4, 2009.

Applications before September 15th 2009 at:

www.tandar.cnea.gov.ar/grupos/QCG/Workshop2009/workshop.html

Scientific Program

Recent years have seen the consolidation of several areas of research in quantum physics where quantum chaos becomes relevant. Among them we can mention quantum computation and information, mesoscopic systems, quantum transport phenomena, quantum open systems, and decoherence. Both, theory and applications are at a development stage where interaction among people working in these topics becomes of the utmost relevance. This workshop aims at creating the framework for developing new collaborations among the participants and enhancing existing ones.

Main Topics

- Quantum chaos: theory and applications
- Quantum computation and information
- Mesoscopic systems
- Quantum transport phenomena
- Quantum open systems and decoherence
- Experimental implementation

Invited Speakers

- Aguiar, Marcus (Brazil)
- Artuso, Roberto (Italy)
- Benito, Rosa (Spain)
- Berkolaiko, Gregory (USA)
- Bohigas, Oriol (France)
- Bolte, Jens (UK)
- Borondo, Florentino (Spain)
- Buchleitner, Andreas (Germany)
- Cohen, Doron (Israel)
- Combescure, Monique (France)
- Creagh, Stephen (UK)
- Davidovich, Luiz (Brazil)
- DeBievre, Stephan (France)
- Dittrich, Thomas (Colombia)
- Dukelsky, Jorge (Spain)
- Emerson, Joseph (Canada)
- Garcia Mata, Ignacio (Argentina)
- Haake, Fritz (Germany)
- Heller, Eric (USA)
- Jacquod, Philippe (USA)
- Kaplan, Lev (USA)
- Ketzmerick, Roland (Germany)
- Lakshminarayan, Arul (India)
- Leboeuf, Patricio (France)
- Lewenkopf, Caio (Brazil)
- Nonnenmacher, Stephan (France)
- Ozorio de Almeida, Alfredo (Brazil)
- Reichl, Linda (USA)
- Richter, Klaus (Germany)
- Sánchez, Maria Jose (Argentina)
- Schubert, Roman (UK)
- Sieber, Martin (UK)
- Stoeckman, H.-J. (Germany)
- Tanner, Gregor (UK)
- Tomsovic, Steven (USA)
- Toscano, Fabricio (Brazil)
- Voros, André (France)
- Wilkinson, Michael (UK)
- Zyczkowski, Karol (Poland)

Organizers

- G.G. Carlo (Buenos Aires)
- L. Ermann (Toulouse)
- A. Monastra (Buenos Aires)
- M.E. Spina (Buenos Aires)
- R.O. Vallejos (Rio de Janeiro)
- E. Vergini (Buenos Aires)
- D. Wisniacki (Buenos Aires)
- J.P. Paz (Buenos Aires)
- A. Rivas (Buenos Aires)

