

Istituto Italiano per gli Studi Filosofici di Napoli

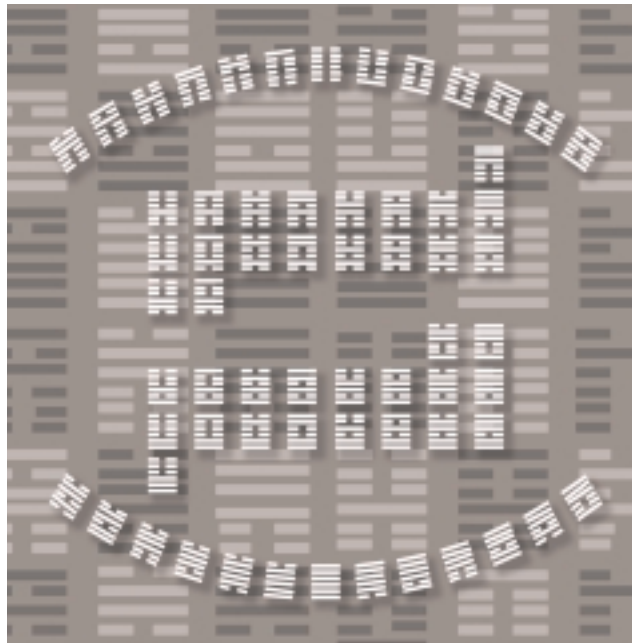
Palazzo Serra di Cassano, Napoli, Italy

INTERNATIONAL WORKSHOP

MQC₂

"Macroscopic Quantum Coherence and Computing"

Naples, 14-17 June, 2000



in collaboration with:

Istituto Nazionale di Fisica Nucleare (INFN) - Consiglio Nazionale delle Ricerche (CNR)

The aim of the workshop is to report on the recent theoretical and experimental results on the macroscopic quantum coherence of macroscopic systems. Particular attention will be given to the coherence effects in Josephson systems. The correlation with other atomic and molecular systems, exhibiting a macroscopic quantum coherence behaviour, is also discussed. Such proposals will be considered for implementation of various schemes for coherent information processing and quantum computation.

Steering Committee:

Dmitri Averin State University at Stony Brook, NY, USA

Berardo Ruggiero Istituto di Cibernetica del CNR e INFN, Napoli, Italy

Paolo Silvestrini Istituto di Cibernetica del CNR e INFN, Napoli, Italy **Chairman**

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Leo Stodolsky
Max Planck Institut, München, Germany

also supported by: **Università di Napoli "Federico II" - Istituto Nazionale di Fisica della Materia, unità di Napoli**

Speakers list will include: D. V. Averin, State University of New York at Stony Brook, USA - D. Awschalom, University of California, Santa Barbara, USA - J. Clarke, University of California, Berkeley, USA - C. Cosmelli, Università di Roma "La Sapienza", Italy - D. Esteve, CEA - Saclay, France - J. Friedmann, State University of New York at Stony Brook, USA - Z. Ivanov, University of Göteborg, Sweden - A. Leggett, University of Illinois, Urbana Champaign, USA - D. Loss, Basel University, Switzerland - J. Lukens, State University of New York at Stony Brook, USA - Y. Nakamura, NEC, Tsukuba, Japan - M. Rasetti, Politecnico di Torino, Italy - L. Stodolsky, Max Planck Institut, München, Germany - C. Urbina, CEA - Saclay, France - C. Van der Wal, Delft University, Holland - A. Zorin, PTB, Braunschweig, Germany

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