
CALL FOR CONTRIBUTIONS

**ERATO Workshop on
Quantum Information Science 2001**

September 6-8, 2001, Tokyo, Japan

<http://www.qci.jst.go.jp/eqis/>

Keynote Speaker:

Charles H. Bennett (*IBM, Yorktown Heights*)

Invited Speakers:

Gilles Brassard (*Univ. de Montréal*)

Richard Cleve (*Univ. of Calgary*)

Lov K. Grover (*Bell Labs*)

Akio Hosoya (*Tokyo Institute of Technol.*)

Nobuyuki Imoto (*SOKEN, Kanagawa*)

Kazuo Iwama (*ERATO/Kyoto Univ.*)

Richard Jozsa (*Univ. of Bristol*)

Keiji Matsumoto (*ERATO, JST, Tokyo*)

Kenichi Morita (*Hiroshima Univ.*)

Tetsuro Nishino (*UEC, Tokyo*)

Masanao Ozawa (*Nagoya Univ.*)

Peter W. Shor (*AT&T Labs Research*)

Program Committee:

Charles H. Bennett (*IBM, Yorktown Heights*)

Jozef Gruska (*Masaryk Univ., Brno*)

Akio Hosoya (*Tokyo Institute of Technol.*)

Hiroshi Imai (*ERATO/Univ. of Tokyo, chair*)

Organizing Committee:

Masahiro Hachimori (*ERATO, Tokyo, Chair*)

Hirohisa Kobayashi (*ERATO/Univ. of Tokyo*)

Shin Natori (*ERATO/Univ. of Tokyo*)

Takako Sakuragi (*ERATO, Tokyo*)

Shigeru Yamashita (*ERATO, Kyoto*)

Venue & Contact Information:

Quantum Computation & Information
ERATO Project

Japan Science and Technology (JST)

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EQIS'01: The Workshops EQIS are to focus on quantum information science, a new interdisciplinary field bridging computer science and quantum physics. EQIS'01 is intended to be the first workshop in a series of such workshops and is to concentrate, primarily, on computational aspects of quantum information science.

Program of EQIS'01 consists of the keynote talk, 12 invited talks, short communications and posters.

Contributions for short communications and posters are solicited in research areas related to quantum information science, including, but not limited to: *design and analysis of quantum algorithms and circuits, quantum games, quantum computational and communication complexity, quantum computing and automata models, quantum cryptography and cryptographical protocols, quantum information theory, quantum entanglement, quantum continuous variables computations, quantum geometric and topological computations.*

Submission: Contributions may be submitted only electronically by sending a postscript file to

eqis-submit@qci.jst.go.jp

Submissions should consist of: a cover page, with the author's full name, address, fax number, e-mail address, a 100-word abstract and keywords (this page should be in the form of a separate ascii-only e-mail); an extended abstract describing original research in no more than 8 pages for an oral presentation and no more than 4 pages for a poster; an optional appendix, with more details to be read/consulted at the discretion of the Program Committee.

Registration: There will be no registration fee, except fee for conference dinner. To facilitate fruitful discussions through the workshop, the number of participants is restricted. Those registered will be notified by August 10 regarding acceptance. Few scholarships for local expenses will be available for active participants.

Important Dates:

Submission Deadline: July 20, 2001

Notification of Acceptance/Rejection: August 1, 2001

Registration Deadline: August 5, 2001
