



AQIS '07 KYOTO

Asian Conference on Quantum Information Science
September 3-6, 2007
Shiran Kaikan, Kyoto University

CALL FOR PAPERS

Invited Speakers:

Dave Bacon (University of Washington)
Alexandre Blais (Université de Sherbrooke)
Masato Koashi (Osaka University)
Mikhail Lukin (Harvard University)
Ben Reichardt (California Institute of Technology)
Peter Shor (MIT)
Ronald de Wolf (CWI, Amsterdam)

Steering Committee Chair:

Jozef Gruska (Masaryk University, Brno)

Conference Co-Chairs:

Hiroshi Imai (University of Tokyo/ERATO-SORST)
Kazuo Iwama (Kyoto University)

Program Committee:

Scott Aaronson (University of Waterloo)
Dorit Aharonov (Hebrew University)
Charles H. Bennett (IBM), Vice-Chair
Richard Cleve (University of Waterloo), Chair
Nicolas Gisin (Université de Genève)
Guang-Can Guo (US&T, China)
Patrick Hayden (McGill University)
Aram Harrow (University of Bristol)
Richard Jozsa (University of Bristol)
Julia Kempe (Tel Aviv University)
Jaewan Kim (KIAS, Korea)
Hai-Woong Lee (KAIST, Korea)
Hoi-Kwong Lo (University of Toronto)
Charles Marcus (Harvard University)
Michele Mosca (University of Waterloo)
Mio Murao (University of Tokyo)
Kae Nemoto (NII)
Harumichi Nishimura (Osaka Pref. University)
Renato Renner (University of Cambridge)
Barry Sanders (University of Calgary)
Miklos Santha (Université Paris-Sud)
Kouichi Semba (NTT)
Fujio Shimizu (University of Electro-Communications)
Robert Špalek (University of California, Berkeley)
Jaw-Shen Tsai (NEC), Vice Chair
Guifre Vidal (University of Queensland)
Gregor Weihs (University of Waterloo)
Peter Zoller (University of Innsbruck)
Suhail Zubairy (Texas A&M University)

Organizing Committee:

Masaki Nakanishi (NAIST)
Harumichi Nishimura (Osaka Pref. University)
Shigeru Yamashita (NAIST), Chair

AQIS'07 will focus on quantum information science and technology. This is a new interdisciplinary field that bridges quantum physics, computer science, mathematics, as well as computing technologies. **AQIS'07** is the successor of the series **EQIS'01–EQIS'05** and **AQIS'06**. Following tradition, **AQIS'07** will consist of invited talks and selected oral communications and posters.

Submissions of abstracts for contributed talks and posters are sought in research areas related to quantum information science and technology, both theory and experiments. These include, but are not limited to:

- Quantum algorithms and complexity theory
- Quantum cryptography
- Quantum information theory
- Quantum entanglement and non-locality
- Quantum error-correction and decoherence-free subspaces
- Quantum optics, NMR, and solid-state technologies
- Quantum processors and computer design schemes
- Quantum programming languages and semantics

Important Dates:

Submission Deadline	July 1, 2007
Notification of Acceptance	August 1, 2007
Final Manuscript Deadline	August 15, 2007
Early Registration Deadline	August 7, 2007
Registration Deadline	August 25, 2007

Conference web site:

<http://qc.naist.jp/aqis07/>

Contact Information:

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