



AQIS '07 KYOTO

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

CALL FOR PAPERS

Invited Speakers:

- Scott Aaronson (University of Waterloo)
- Dave Bacon (University of Washington)
- Alexandre Blais (Université de Sherbrooke)
- Masato Koashi (Osaka University)
- Mikhail Lukin (Harvard University)
- 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)
- 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 Muroa (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)
- Jaw-Shen Tsai (NEC), Vice Chair
- Fujio Shimizu (University of Electro-Communications)
- Robert Špalek (University of California, Berkeley)
- 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 5, 2007**
- Registration Deadline **August 25, 2007**

Conference web site:

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

Contact Information:

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