

CALL FOR PAPERS

AQIS'06

Asian Conference on Quantum Information Science 2006

September 1-4 2006

Beijing Friendship Hotel, Beijing, China

Organized by Key Laboratory of Quantum Information

University of Science and Technology of China, Chinese Academy of Science

Steering Chair:

Jozef Gruska (Masaryk Univ., Brno)

Conference Chair:

Guang-Can Guo (USTC, Hefei)

Keynote Speakers:

Nicolas Gisin (Univ. Geneva)

Peter Zoller (Univ. Innsbruck)

Invited Speakers: (to be completed)

Claude Crépeau (McGill University)

Guang-Can Guo (USTC, Hefei)

S. Haroche (I'Ecole normale superieure)

Jeremy O'Brien (University of Bristol)

Norbert. Lütkenhaus (Erlangen Univ.)

Akihisa Tomita (ERATO/NEC)

Reinhard. F. Werner (Braunschweig Univ.)

Yoshihisa Yamamoto (Stanford /NII, Tokyo)

Andrew C. C Yao (Tsinghua Univ., BeiJing)

Program Committee: (to be completed)

Guang-Can Guo (USTC, Hefei), chair

Hiroshi Imai (ERATO/Univ. Tokyo), co-chair

Hoi-Kwong Lo (Univ. Toronto), co-chair

Charles H. Bennett (IBM)

Hoi Fung Chau (Univ. Hong Kong)

Ignacio Cirac (Max-Planck Inst., Garching)

Lu-Ming Duan (Michigan Univ., Ann Arbor)

Akira Furusawa (Tokyo Univ.)

Lov Grover (Lucid Technology)

Masahito Hayashi (ERATO, Tokyo)

Nobuyuki Imoto (Osaka Univ.)

K. Iwama (Kyoto Univ.)

Richard Jozsa (Univ. Bristol)

Jaewan Kim (Korea Inst. Adv. Study)

Ze-Yu Ou (Indiana-Purdue Univ., Indiana)

Jan-Wei Pan (USTC, Hefei)

Kun-Chi Peng (ShanXi Univ., TaiYuan)

Peter W. Shor (MIT)

Tzyh-Jong Tarn (Washington University)

Jaw-Shen Tsai (NEC)

Yu-Zhu Wang (Shanghai Ins. Opt & Fine Mec.)

H. Weinfurter (Ludwig-Max.-Univ. Munich)

Reinhard F Werner (Braunschweig Univ.)

Andreas Winter (Univ. Bristol)

Y. Yamamoto (Stanford/NII)

Andrew. C. C Yao (Tsinghua Univ., BeiJing)

The AQIS'06 meeting is to focus on quantum information science and technology, a new interdisciplinary field bridging quantum physics, computer science, mathematics, and computing technologies. AQIS'06 organized in cooperation with ERATO-SORST project in Tokyo, will be a natural successor of EQIS'01-EQIS'05 series of conferences and, at the same time, is expected to bring a new quality to this so successful series of conferences. AQIS'06 will concentrate on theoretical and experimental aspects of quantum information field.

Contributions for short communications and posters will be solicited in the research areas related to quantum information science, including, but not limited to:

- Quantum computation, algorithms and automata
- Quantum complexity theory
- Quantum cryptography
- Quantum information theory
- Quantum entanglement, Bell inequalities, non-locality
- Quantum error-correction, decoherence-free subspaces
- Quantum optics-, NMR- and solid-state technologies
- Quantum processors and computers design
- Quantum programming languages and semantics

Paper submission:

Contributions have to be submitted electronically, see

<http://lqcc.ustc.edu.cn/aqis06/>

for instructions.

Important Dates:

- Submission Deadlines:
 - ★ Oral presentation: **July 15, 2006**
 - ★ Poster presentation: **July 15, 2006**
- Notification of Acceptance: **August 1, 2006**
- Final Manuscript deadline: **August 15, 2006**
- Early Registration Deadline: **August 5, 2006**
- Registration Deadline : **August 25, 2006**

Organizing Committee:

Bao-Sen Shi (USTC, Hefei), chair

Gui-Lu Long (Tsinghua Univ., BeiJing), co-chair

Jun Hasegawa (ERATO-SOREST)

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