



# CALL FOR PAPERS - AQIS'09

## 9<sup>th</sup> Asian Conference on Quantum Information Science

August 26-29 2009  
Nanjing, China

Organized by Nanjing University of Posts & Telecommunications (NUPT)  
Co-organized by : IEEE Communications Society Nanjing Chapter  
CIC Communications & Signal Processing Society  
Jiangsu Institute of Communications (JSIC)

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Jozef Gruska (Masaryk Uni., Brno)

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Bao-Yu Zheng (NUPT, Nanjing)

### Keynote Speakers:

C.H.Bennett (IBM)

Lu-Ming Duan (Uni. of Michigan)

### Invited Speakers:

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Guihua Zeng (Shanghai)

Shengyu Zhang (Hongkong)

Suhail Zubairy (Texas A&M Uni.)

The AQIS'09 meeting will focus on quantum information science and technology, a new interdisciplinary field bridging quantum physics, computer science, mathematics, and information technologies. AQIS'09 will be a natural successor of EQIS'01-EQIS'05 and AQIS'06-AQIS'08. At the same time, AQIS'09 is expected to bring new quality to this so successful series of conferences. AQIS'09 will consist of invited talks, selected oral presentation, posters, and other activities. Contributions for short communications and posters will be solicited in the research areas related to quantum information science and technology, including, but not limited to:

- Quantum computation, algorithms and complexity
- Quantum information theory
- Quantum error-correction and fault-tolerance, thresholds
- Quantum cryptography
- Quantum communications experiments and theory
- Quantum optics-, NMR- and solid-state technologies
- Quantum processors and computers design
- Quantum programming languages and semantics
- Quantum signal processing

### Important Dates:

(All at 11:59 p.m. in US Pacific Standard Time, in 2009)

- | Submission Deadlines: June 14
- | Notification of Acceptance: July 12
- | Final Manuscript deadline: July 31
- | Early Registration Deadline: August 5

### Conference Web Site:

<http://spt.njupt.edu.cn/aqis09/>

### Organizing Committee:

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