
CALL FOR PAPERS – AQIS'19

19th ASIAN QUANTUM INFORMATION SCIENCE CONFERENCE

August 19-23 2019

Seoul, Korea

Organized by Korea Institute for Advanced Study (KIAS)

The AQIS'19 conference will focus on quantum information processing, communication and cryptography, an interdisciplinary field bridging quantum physics, computer science, mathematics, and information technologies.

AQIS'19 will be a natural successor of EQIS'01-EQIS'05 and AQIS'06-AQIS'18. AQIS'19 will consist of invited talks, selected oral and poster presentations, tutorials, as well as other activities. Contributions are solicited in (but not limited to) the following areas:

- Quantum computation and simulation, algorithms and complexity
- Quantum information theory
- Concepts, methods and tools against decoherence
- Quantum cryptography
- Quantum communications experiments and theory
- Quantum metrology
- Quantum technologies (optics, NMR, solid-state, etc.)
- Quantum processor and computer design
- Quantum programming languages and semantics

Important Dates:

(All at 23:59 Anywhere on Earth (AoE), in 2019)

- Submission deadline: 25 May 2019
- Notification of acceptance: 25 June 2019
- Final manuscript deadline: 9 July 2019
- Early registration deadline: 16 July 2019

Conference Web Site:

<http://aqis-conf.org/aqis19/>

Organizing Committee Chair:

Jaewan KIM (KIAS)

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Invited Speakers:

Giulio CHIRIBELLA (Hong Kong U)
Peng XUE (Beijing CSRC)
XiaoLiang QI (Stanford U)
Michelle SIMMONS (U New South Wales/CQC2T)
Kihwan KIM (Tsinghua U)
Joe FITZSIMONS (SUTD)
ChaoYang LU (USTC)
Liang JIANG (Yale U)

Tutorials:

Nathan WIEBE (Microsoft Research)
Debbie LEUNG (U Waterloo)

Program Committee Chair:

Howard WISEMAN (Griffith U, **Chair**)
Runyao DUAN (Baidu /U Tech Sydney, **co-Chair**)
Eleanor RIEFFEL (NASA, **co-Chair**)

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