

Joint WS on AI Applications to Univ. Education/Administration and QC/QCC-on-QCs: Quantum Algorithm 2017

**The 4th OCU International WS on Quantum Chemistry/Quantum Chemical Calculations on Quantum Computers: Quantum Algorithms 2017
Takahara Memorial Hall, Osaka City University, Osaka 558-8585
Mar. 29 (Wed.) – 30 (Thu.), 2017**

You are cordially invited to Joint WS on AI Applications to Univ. Education/Administration and QC/QCC-on-QCs: Quantum Algorithm 2017 (The 4th OCU International WS on Quantum Chemistry/Quantum Chemical Calculations on Quantum Computers: Quantum Algorithms 2017), Mar. 29-30, 2017 at Takahara Memorial Hall, Osaka City University.

The WS on QC/QCC-on-QCs: Quantum Algorithms has been held early spring every year since 2014 at OCU. The WS is not a scalable one, and only the limited number of scientists/researchers in this emerging field have been invited, giving their intensive lectures in the WS. The topics of each workshop will reflect emerging subjects and trends in the field of quantum algorithms and related fields from both the experimental and theoretical sides.

Aims of the 4th WS:

A particular aim of the workshop is to provide a closed forum/seminar for discussions of interdisciplinary issues on QCs and R&D of AI technology, emphasizing that we learn how AI technology has contributed to university education/administration in a wide sense or whether AI will be capable of improving university education or solving relevant issues/problems. The faculty and staff in various divisions of OCU are particularly encouraged to participate in the workshop.

Program:

The scientific program includes only intensive lectures of world-leading scientists for scientific core session. The 4th WS has a special session for Applications of AI Technology to University Education/Administration. The session will be also for non-specialist on the field and those who are interested in the issue.

Invited speaker for Session “AI Applications to Univ. Education/Administration”

To be announced.

Invited speakers (overseas and domestic) for Session “QC/QCC-on-QCs: Quantum Algorithm”

Dr. Ryan Babbush (Google Inc., Venice, CA, USA)

Dr. Jarrod McClean (Lawrence Berkeley National Laboratory, Berkeley, CA, USA)

Prof. Joonsuk Huh, Department of Chemistry, Sungkyunkwan University, Seoul, Korea)

Prof. Man-Hong Yung,* Department of Physics, South University of Science and Technology, Guangdong Sheng, China

Dr. Hiroyuki Nakashima, Quantum Chemistry Association, Kyoto, Japan

Dr. Yusaku Kurokawa, Quantum Chemistry Association, Kyoto, Japan

Dr. Kenji Sugisaki, Department of Chemistry, Graduate School of Science, Osaka City University

Dr. Satoru Yamamoto, Department of Chemistry, Graduate School of Science, Osaka City University

*not confirmed yet.

Venue and access:

All workshop activities will take place at Takahara Memorial Hall, OCU.

https://www.osaka-cu.ac.jp/ja/academics/institution/takahara_hall/index.html

The WS/conference center is conveniently located from Kansai International Airport and from Shin-Kobe Station of Shin-Kansen JR line. The center has easy access to Kyoto, Nara, Kobe, Osaka and other local areas.

Accommodations:

Western-style, single- or twin-use (or triple-use) bedroom accommodations at a conference rate, with breakfast included, have been reserved by the organizer.

Any process such as online room reservations will not be necessary.

Registration:

Registration will not be necessary. The WS is a closed workshop.

Registration fee and method of payment:**Abstract submission:**

The abstract in both Word and PDF files should be sent to the organizer.

The abstract should be prepared in single space on an A4-size sheet (297 x 210 mm) with margins of 25 mm. Times New Roman font (12 pts for text) is recommended.

Visa application:

Visas issued from the Foreign Ministry of Japan are required to enter Japan from Russia and other countries. For the visa issue, participants who need visas should contact the Japanese Embassy in their own countries. If you require assistance in obtaining a travel Visa, you must request assistance from the organizer.

Social programs and tours:

Not available.

Important dates:**Organizing committee:**

Chairperson: Kazunobu Sato, Osaka City University (E-mail: sato@sci.osaka-cu.ac.jp)

Co-chairperson: Takeji Takui, Research Support/URA Center, University Administration Division, Osaka City University (E-mail: takui@sci.osaka-cu.ac.jp)

Sponsorship by/from:

Supported by Graduate School of Science, Osaka City University

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