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# ***Quantum Engineering Design Course (QEDC) Short-Term Research Program 2019***

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## **Quantum Engineering Design Course Graduate School of Engineering Osaka University, JAPAN**

### ◆ The aim of the program

The program aims to cultivate excellent students who have the passion for research and would like to further develop their academic and research competitiveness. Students can conduct advanced researches like computational materials design for environment-friendly technology applications and can join workshops. Finally, through the program, the students will be able to build-up their own network of collaborators, and contribute to strengthening existing partnership among institutions in various countries, and initiating new ones.

### ◆ Eligibility

- Nationality: Indonesia, Philippines, Vietnam, Malaysia, Thailand
- Student of Graduate Course (This program is based on the student exchange agreement between the specific faculty of university and the graduate school of engineering, Osaka University. Please check the student exchange agreement in your faculty.)

### ◆ Program Period

12 Months (From 05October 2019 to 25September 2020)

### ◆ Scholarship Benefits

- Allowance: 80,000JPY/month ( x 12months)
- Tuition Fee: Free for the division having the student exchange agreement

### ◆ Coordinating Divisions

- Graduate School of Engineering
- Graduate School of Science
- Graduate School of Engineering Science
- Graduate School of Information Science and Technology

### ◆ Program Activities

- QEDC Workshops and QEDC Short-Term Research Program workshops
- Lecture/Seminar  
Topics in Quantum Simulation, Tutorials on Computational Nano-Materials Design, Solid State Physics, Plasma Engineering for Nano Technologies, Theoretical Materials Science, Analytical Dynamics, Semiconductor Physics, Selected Topics in Quantum Physics of Solids, etc.
- Discussions with professors from various fields, Japanese students, and Quantum Engineering Design Course Master and Doctoral international students.

### ◆ Sponsors

- Osaka University
- Japan Student Services Organization (JASSO)

#### ◆Application Procedure

- (1) All electronic data of the required application documents must be submitted to [qedc-staff@dyn.ap.eng.osaka-u.ac.jp](mailto:qedc-staff@dyn.ap.eng.osaka-u.ac.jp) for approval before posting.
- (2) After e-mail submission, you post all application documents by airmail.  
**Original documents (with actual authorized signature and/or seal of university)** are strictly required for posting submission. To post before 1 week of the application deadline is preferable.

#### ◆Application Deadline

**20 April 2019** (Now open)

\*Documents Arrival Deadline by posting to QEDC office, Japan

#### ◆Application Requirements

- (1) Application Form
  - \*As "Special Auditor" it has been ticked already for this program.
  - \*For Academic Advisor, Osaka University, leave blank.
  - \*If you are not sure "Katakana" name, leave blank.
  - \*If you don't know any emergency contact person in Japan, leave blank.
- (2) 1 ID Pictures: 40mmX30mm (taken within 3 months prior to application).  
Place the picture on the designated place at the application form.
- (3) Latest Academic Transcript (at least 1 year or 1 term) in English.  
And also,  
Master course students: undergraduate course transcript of records  
Doctoral course students: both undergraduate and graduate/master course transcripts of records
- (4) Certificate of Student Registration or Enrollment Certificate issued by the university/school in English.  
(A certificate which is shown your student status of your home university including this program period.)
- (5) A Letter of Recommendation, signed by the academic supervisor.
- (6) Passport Copy (a page of identification)
  - \*If you are not a passport holder yet, ID (issued in your country) copy can be submitted temporarily.
  - \*English translation must be on it for other language.

#### ◆Inquiries

All inquiries & Postal Address to:

**Precision Science & Technology and Applied Physics,  
Graduate School of Engineering,  
Osaka University  
Quantum Engineering Design Course (Morikawa Laboratory)  
Room no.415, M1 Building,  
2-1 Yamadaoka, Suita, Osaka 565-0871 Japan**

Telephone No.:

+81-6-6879-7290

E-mail:

[qedc-staff@dyn.ap.eng.osaka-u.ac.jp](mailto:qedc-staff@dyn.ap.eng.osaka-u.ac.jp)

#### ◆Furthermore

<http://www.dyn.ap.eng.osaka-u.ac.jp/QEDC/home.html>

