

# Qualcomm-KAIST Innovation Awards 2016

## Rules and Schedules

### Objective

The main objective is to encourage KAIST students to work on more independent, more creative, and higher impact research relevant to wireless, multimedia, robotics, and artificial intelligence.

The second objective is to provide chances for top KAIST students to share their recent research results and new ideas with Qualcomm researchers.

### Award Categories

The Awards in 2016 consist of two categories, i.e. Paper Competition Awards for graduate students and Embedded Systems Awards for undergraduate students.

- **Paper Competition Awards**
  - Based on the merit of research papers in the fields of wireless, multimedia, robotics, and artificial intelligence technologies
  - 5 Million Korean Won each for 10 KAIST graduate student(s) teams
- **Embedded Systems Awards**
  - Based on the merit of developed embedded systems in the fields of wireless, multimedia, robotics, and artificial intelligence
  - 5 Million Korean Won each for 10 KAIST undergraduate student(s) teams

### Submission and Evaluation for the Paper Competition Awards

- **Paper Submission**
  - Page limit: 8 pages (2 column IEEE format) with concise and detailed results
  - Previous Publication/Presentation: If some part of the paper had been presented, published, or accepted at journal(s) or conference(s) by the submission deadline, it is required to indicate the journal(s)/conference(s), attach the paper, and clearly identify the new added materials at the Paper Submission Form. The new results should consist of more than 50% of the submitted paper.
  - There is no restriction on the submitted papers to be published at journals or presented at conferences after the submission deadline.
- **Eligibility:** KAIST graduate students as of the submission due date.
- **Evaluation Criteria**
  - Innovative and creative idea on research goals and/or methods: 40%
  - Completeness and superiority of the research outcomes: 40%
  - Impact to wireless, multimedia, robotics, and artificial intelligence industries: 20%
- **Awardee Selection Process**
  - The Award Committee will select about 20 papers for the finalists, who will be invited to present their papers as posters at an Evaluation Workshop.
  - The Evaluation Workshop will be open to all KAIST professors and students. Each professor and non-finalist graduate students may submit an evaluation sheet, where the

names of 10 Awardee candidates are marked without ranking. The candidate marks should not be made for students at the same professor's laboratory.

- The Awardees will be selected based on the ranking of the weighted sum of the votes, i.e., 50% from professors and 50% from graduate students. (The number of votes from professors will be divided by the total number of voting professors, while the number of votes from graduate students will be divided by the number of voting graduate students.)

- **Schedule**

- **February 29, 2016:**

- 6:00 pm: Submission of 8-page research paper and the Paper Submission Form (by e-mail attachments to qiaward.kaist@gmail.com)

- **March 12, 2016:**

- 6:00 pm: Announcement of 20 finalists

- **March 28, 2016:**

- 4:00-6:40 pm: Evaluation workshop with poster presentations at KAIST campus

- 7:00 pm: Announcement of Awardees

### **Submission and Evaluation for the Embedded Systems Awards**

- **Proposal Submission**

- Page limit: 4 pages (2 column IEEE format) with *detailed description of the proposed embedded system and implementation plan*
- Previous Demonstration/Publication/Presentation: If some part of the proposed embedded system had been presented, demonstrated, published, or accepted at journal(s), conference(s), or exhibition by the submission deadline, *it is required to indicate the journal(s)/conference(s), include paper or description, and clearly identify the new added materials at the Proposal Submission Form.*
- There is no restriction on the proposed implementation to be published at journals or presented at conferences after the submission deadline.

- **Eligibility:** *KAIST undergraduate students* as of the submission due date.

- **Evaluation Criteria**

- Innovative and creative idea on embedded system applications: 40%
- Completeness and superiority of the embedded system implementations: 40%
- Impact to wireless, multimedia, robotics, and artificial intelligence industries: 20%

- **Awardee Selection Process**

- The Award Committee will select about 20 proposal teams, who will be invited to implement the proposed systems and demonstrate at an Evaluation Workshop.
- The selected teams will be provided with DragonBoard™ 410c for the implementations. (<https://www.96boards.org/products/ce/dragonboard410c/>) Small allowance will be available to buy hardware and parts. Also, technical supports on the board will be provided by Qualcomm.
- The Evaluation Workshop will be open to all KAIST professors and students. Each professor and non-finalist graduate/undergraduate students may submit an evaluation sheet, where the names of 10 Awardee candidates are marked without ranking.
- The Awardees will be selected based on the ranking of the weighted sum of the votes, i.e., 50% from professors and 50% from graduate/undergraduate students. (The numbers of votes from professors and students will be normalized.)

- **Schedule**

- **January 8, 2016:**

- 6:00 pm: Submission of 4-page proposal and the Proposal Submission Form (by e-mail attachments to [qiaward.kaist@gmail.com](mailto:qiaward.kaist@gmail.com))

- **January 15, 2016:**

- 6:00 pm: Announcement of 20 finalists

- **March 28, 2016:**

- 4:00-6:40 pm: Evaluation workshop with demonstration at KAIST campus

- 7:00 pm: Announcement of Awardees

### **Opportunities of Awardees**

- Opportunity to present a poster at a workshop organized by Qualcomm Korea R&D Center. Opportunity to discuss and collaborate with Qualcomm Korea R&D Center.
- NO OBLIGATION. THIS IS AN AWARD.

### **Others**

- To oversee and administer the award selection process the Qualcomm-KAIST Innovation Award Committee will be formed from KAIST professors.
- *We would like to celebrate the Evaluation Workshop as a festival-like event.* Therefore, the Workshop will be open to all KAIST professors and graduate/undergraduate students.
- Food and beverage will be provided to all participants. A few high-quality gifts will be offered to those who correctly figure out the most Awardees.
- For more information please visit <http://bsrc.kaist.ac.kr/QCIInnovation> or contact to [qiaward.kaist@gmail.com](mailto:qiaward.kaist@gmail.com) (tel.: 042-350-8491).