

NOTICE AND INVITATION TO PARTICIPATE
Sixth College Students Intelligent Agricultural Equipment
International Innovation Competition

To all Universities, Colleges, and Institutes:

To help build an international exchange platform for students majoring in agricultural engineering, and further promote innovative entrepreneurial talents cultivation of agricultural equipment engineering in colleges and universities, several organizations will collaborate to organize 6th International University Students Intelligent Agricultural Equipment Innovation Competition (Hereinafter referred to as the "competition"). These organizations include: The International Commission of Agricultural and Biosystems Engineering (CIGR), Chinese Society of Agricultural Machinery (CSAM), Chinese Society of Agricultural Engineering (CSAE), Synergistic Innovation Center of Jiangsu Modern Agricultural Equipment and Technology (SICJMAET), and the International University Consortium for Agricultural Engineering (IUCAE).

This competition was established by SICJMAET in 2015, and it is held once a year. The first and second competitions were held by Jiangsu University, the third, fourth, and fifth terms were held by Southwest University, Fujian Agriculture and Forestry University and Anhui Agricultural University. With time, this event has developed into one of the most influential student events involving colleges and universities of agricultural and biosystems engineering. The sixth competition will be hosted by Shandong University of Technology in China. Please note relevant matters as follows:

I. Purpose of the competition

Under the theme of “Intelligent Agricultural Equipment Prepares for a Promising Future”, the purpose of the competition is to create a platform for students to acquire skills and experience, with the intent to cultivate talents that excel in “professional knowledge, practical skills, and superior innovation and entrepreneurship capabilities” related to modern agricultural equipment innovation and entrepreneurship. This platform is the result of collaboration amongst universities, colleges, enterprises and industries.

II. Organizers

The 6th International University Students Intelligent Agricultural Equipment Innovation Competition is organized by the following collaborating institutions:

1. Organizers:

- International Commission of Agricultural and Biosystems Engineering (CIGR)
- Chinese Society of Agricultural Machinery (CSAM),
- Chinese Society of Agricultural Engineering (CSAE),
- Synergistic Innovation Center of Jiangsu Modern Agricultural Equipment and Technology (SICJMAET)
- International University Consortium for Agricultural Engineering (IUCAE).

2. Host:

Shandong University of Technology (SUT).

3. Co-organizer:

China Agricultural Machinery Distribution Association (CAMDA).

III. Competition Requirements

1. Participants:

Undergraduate and graduate students may apply in teams of two to five persons.

2. Case Categories:

The cases are divided into two classes: A and B

Class A: Scientific or Technological Inventions in Intelligent Agricultural Equipment:

Class A is divided into the following:

- A1: Invention of intelligent tillage equipment,
- A2: Invention of intelligent planting equipment,
- A3: Invention of intelligent field management agricultural equipment,
- A4 :Invention of intelligent harvesting agricultural equipment,
- A5: Invention of intelligent agricultural equipment for preliminary processing in filed,
- A6: Other intelligent agricultural equipment.

Class B: Robot category:

Seedling Replenishment robot competition.

IV. Registration

1. Competition registration.

Registration for the competition will open from June 1st, 2020 to September 16th,

2020.

Universities and colleges are required to select excellent work to participate in the competitions. Teams in class A shall send the application document, the R&D report and attachments (Annex 1, PDF format) to 666513@163.com before September 16th, 2020. The registration form for Class B (Annex 2) shall be sent to 666513@163.com before September 16th, 2020.

2. Final competition, case presentations and awards (mid- December 2020)

Depending on the situation of the COVID-19 Pandemic, the final competition may be presented by video conferencing, or if the Pandemic is over and it is safe to travel, the finals will be held in Shandong University of Technology (Zibo City, Shandong Province) in mid- December 2020.

The participating teams will submit the application form together with the R&D report and attached paper manuscripts (Class A in five copies, Class B in two copies), maximum 30 pages, printed on both sides of A4 paper). In addition, please send the design draft of the post (JPG picture format, exhibition board size 0.9m×1.2m) to 666513@163.com.

During the finals, Class A cases will be judged on site. The participating teams must bring relevant prototypes, physical models and software to the scene for exhibition; Class B cases will compete with each other on site.

V. Award Types

1. Student awards

There are top prizes (may be declared vacant), first prizes, second prizes and

excellence prizes. During the competition, the judges will determine the number of prizes based on the entire number and quality of the entries.

2. Outstanding supervisor award

The competition will award the “Outstanding Supervisor Award” to the supervisors of the top and first prize entries.

VI. Other matters

1. Please visit the following websites to keep updated:

- The official website of the competition (<http://www.uiaec.org>).
- Official website of the International Commission of Agricultural and Biosystems Engineering (<http://cigr.org>).
- Official website of the Chinese Society of Agricultural Machinery (<http://www.agro-csam.org>).
- Official website of the Chinese Society of Agricultural Engineering: (<http://www.csae.org.cn>).

2. Cost and international travel expenses.

There is no charge for the competition. For international competitors, expenses in China (accommodation, travel, and meals) during the competition will be covered by SICMAET. International travel expenses shall be borne by oneself. African students may apply 2000-3000RMB for travel subsidies.

3. Contact of the organizer:

Competition Secretariat: Mr. Yin of Shandong University of Technology, Email: 666513@163.com.

4. **Other related information** of the competition will later be released on the official website (<http://www.uiaec.org>).

Annex 1: Application Form for Classes A

Annex 2: Application Form for Class B

Annex3: Member List of Organization

Annex4: Class A Evaluation Rules

Annex5: Rules of Class B Seedling Transplanting Robot Competition

International Commission of Agricultural and Biosystems Engineering

Chinese Society of Agricultural Machinery

Chinese Society of Agricultural Engineering

Synergistic Innovation Center of Jiangsu Modern Agricultural Equipment and Technology

International University Consortium for Agricultural Engineering



June 1st, 2020