

Call for Participants

2012 Intel Cup Undergraduate Electronic Design Contest-Embedded System Design Invitational Contest

Website: <http://nuedc.sjtu.edu.cn>

2012 Intel Cup Undergraduate Electronic Design Contest-Embedded System Design Invitational Contest, short as "Intel Cup Embedded System Design Contest (ESDC)", was initiated by PRC government, hosted by Shanghai Jiao Tong University, and is solely sponsored by Intel Corporation since 2002. Held every 2 years, the contest provides an opportunity for top undergraduate students to design a working system based on an assigned Intel embedded platform over a period of three months. Each team consists of no more than three members, with a faculty mentor.

We are inviting team from your university to join the 2012 Intel Cup Embedded System Design Contest. All the participants will get hardware and software donated by Intel, and have opportunity to communicate with students from other parts of the world.

Key Dates

- Registration due: March 15, 2012
- Contest period: March 21~June 30, 2012
- Project Topic submission deadline: May 31, 2012
- Final reports submission deadline: July 1, 2012
- Appraisal period: July 15~July 23, 2012
- Awarding ceremony will be held right after the appraisal

Eligibility

The contest is only open to undergraduate students. The participants should be actively enrolled as a student in an accredited college/university during the contest. Teams should consist of no more than three undergraduate students, and a faculty mentor.

Platform

The contest will provide an embedded IA platform based on Intel® Atom™ processor with the corresponding Intel software to each participant team. All teams must develop systems on the assigned platforms. The detailed specifications of the platform will be disclosed on March 21, 2012.

Timetable

1 Registration

The registration includes two stages:

- 1) Registration for contact person and the team number to participate. Register on website to provide the information of the contact person and the number of the teams to attend by **Jan. 8, 2012**. (The registration webpage will be available on **Dec. 15, 2011**)
- 2) Registration for detailed team member information. Register on website to provide detailed information about the team member before March 15, 2012. After the registration on website, a hardcopy with signature should be sent to committee by mail before March 16, 2012.

2 Workshops

The organizing committee will hold workshops on website and a face to face workshop in Shanghai Jiao Tong University.

- 1) Online workshop. After Dec. 20, 2011, we will have online workshop about the Intel Atom processor and related technology. Website is: <http://software.intel.com/zh-cn/esdc2012/>
- 2) Late in March, 2012, we will have an opening and face to face workshop in Shanghai Jiao Tong University. All training materials can be downloaded on website about one week after the workshop.
- 3) The platform will be delivered to participant teams after the face to face workshop.
- 4) For overseas teams, the face to face workshop is optional considering the cost of the overseas travel, and the platform will be delivered to those teams by post.

3 Appraisals

Each team should submit the project topic before May 31, 2012 to organizing committee.

The contest will end on June 30, 2012. All participant teams should submit all necessary materials to committee on time. For teams from Chinese mainland, the materials include: brief introduction, full report in Chinese, detailed abstract in English and working system. For teams from Hong Kong SAR and overseas, the materials include: brief introduction, full report in English and working system. The working language of the contest is English or Chinese.

- 1) Brief introduction. Introduction template can be downloaded from the website.
- 2) Full report. For teams from Hong Kong SAR and overseas, the full report in English is necessary, and the report should contain the following information: declaration of originality (template to be downloaded from website), title, abstract (within 120 words in English) and keywords, system schema, functions, and implementation, test plans and result analysis, and references. The report must be within 20 pages in English (font size 12, and single line

spacing), including all the information required. For teams from Chinese mainland, it should submit the full report in Chinese within 15000 words (font size 12, and single line spacing), including declaration of originality (template to be downloaded from website), title, abstract (within 200 words) and keywords, system schema, functions, and implementation, test plans and result analysis, and references. Teams from Hong Kong SAR and oversea also can submit full report in Chinese. If teams submit full report in Chinese, a detailed abstract in English is necessary within 6 pages (font size 12, single line spacing), including English title, abstract, system schema and implementation, test results.

- 3) Working system. The working system should be based on the assigned platform.
- 4) Each team should submit the brief introduction and full report before July 1st, 2012 via both website and post (two hardcopies), while the working system should be brought to Shanghai, China for testing by participants. Details of submission will be announced in early June, 2012.
- 5) The appraisal will be held from July 15 to July 23, 2012 in Shanghai Jiao Tong University, China. The appraisal includes two round judgments. All participant teams attend the first round judgment. And candidates for first prize will attend the second round appraisal. In general, each has no more than one hour to give their presentation, including oral presentation (PPT, 15 minutes), test for the working system and Q&A.
- 6) The detailed information about the appraisal will be announced in June, 2012.

4 Awarding ceremony

Awarding ceremony will be held after the appraisal.

5 Others

Please refer to the regulation of the contest on website for more information.

Special information for overseas participants

The Contest opening ceremony, training workshop, face to face appraisal and awarding ceremony will be held in Shanghai, China. **All travel expenses should be covered by the teams.** Considering the cost of overseas traveling, the workshop is optional for participants, and materials will be available for online download. At least one representative from the three students should participate in the judging session.

VISA assistance: Please visit the website of Chinese Embassy in your country for specific information on applying for a China visa from your country. If you require a Visa Assistance letter, please contact: nuedc@sjtu.edu.cn

To learn more about Shanghai, please visit <http://www.meet-in-shanghai.net/>.

For more information about registration and the contest, please contact:

Prof. Xu Guozhi, or Dr. Jiang Letian of Contest Committee

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Phone/Fax: 86-21-34204354

Organizing Committee of Intel Cup Undergraduate Electronic Design Contest

-Embedded System Design Invitational Contest

Nov.25, 2011