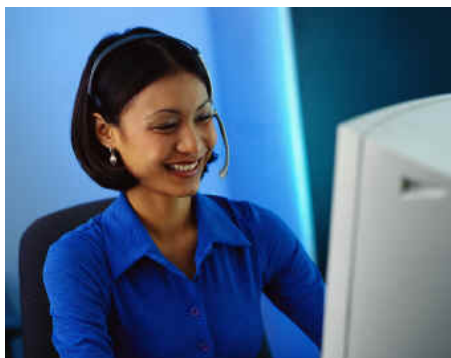


2010 IEEE Computer Society Student Competition



System Competition



The IEEE Computer Society is launching a new design competition for undergraduates with prizes totaling \$10,000. Undergraduate teams will be invited to design a CPU simulator, a program used in many architecture courses to illustrate how computers work.

“This is an exciting competition because it cuts across traditional boundaries by combining architecture with program design and software engineering – just like real life,” said Alan Clements, Vice President and Chair of the Educational Activities Board and a professor of *computer science* at the University of Teesside in the UK. “All you have to do is to write a program. Well, that’s not quite all. You have to write an excellent program using professional design techniques.”

The competition will require the skills of students who have taken a course in architecture and the skills of programmers and software engineers who can turn a specification into a working program. At the end of the competition, teams will submit both a report and a working program.

Who can compete?

The competition is open to all collegiate teams consisting of three to five undergraduates who register online at www.computer.org/portal/web/competition by 11 January 2010 and submit their projects by 9 April 2010.

Where is the competition held?

The competition will be held by online submission of projects to the panel of international judges (chosen by the IEEE Computer Society).

What are the prizes?

A prize of \$7,000 will be awarded to the overall winning team. No team will be judged an overall winner unless their use of software engineering in the design and creation of the simulator is deemed high quality.

\$1,000 will be awarded to the winning team in each of these categories:

- o Originality of the architecture designed
- o Functionality, quality, and versatility of the simulator
- o The use of software engineering in the design of the simulator



To register and for more information visit the competition web site at:

<http://www.computer.org/portal/web/competition>