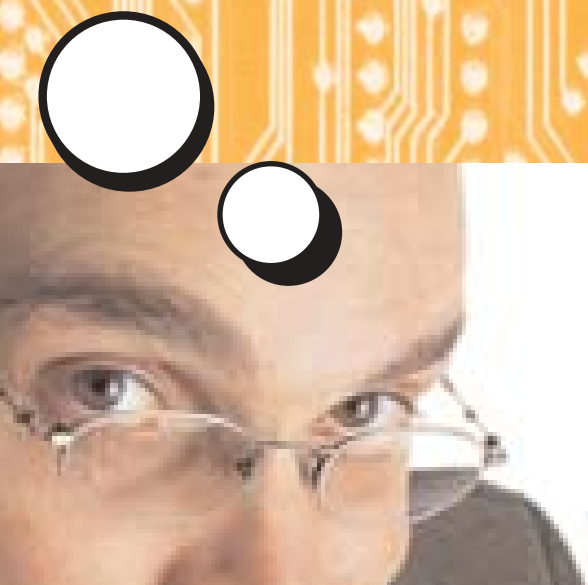




For more information or application forms see:  
<http://computer.org/csdc>



**THEME:**  
 Making the world  
 a safer place.



# CSIDC 2004 DESIGN COMPETITION

THE IEEE COMPUTER SOCIETY 5TH ANNUAL  
 INTERNATIONAL DESIGN COMPETITION

Be a part of the world's most exciting competition for  
 computer science and computer engineering students!

## OVERVIEW

Teams of undergraduates in computer science, computer engineering, and related fields can participate in this competition. Each team must consist of four undergraduate students and have a faculty mentor.

Teams participating in CSIDC 2004 are invited to design and construct a computer-based system that enhances safety or security. The system may range from avionics to help an aircraft avoid collision with another aircraft or the ground, automobile safety, a railway signaling system, environmental monitoring, or a means of tracking an elderly relative who suffers from Alzheimer's disease.

The spirit of the competition is ingenuity and originality in using PCs or hand-held computers to create a computer-based system that performs a socially useful function. You must be able to create and demonstrate a working prototype of your project. Projects that bear a strong resemblance to previous CSIDC projects or to commercially available systems are not eligible.

Teams submitting the best ten reports will compete at the CSIDC World Finals where a Judging Panel will select the winning teams on the basis of a demonstration of their operational prototype and their team's formal presentation. Teams are expected to make effective use of multimedia in their presentations.

## JUDGING

Academic and industry experts from all over the world will judge the competition according to the criteria published in the CSIDC guidelines.

## QUESTIONS AND ADDITIONAL INFORMATION

For general information regarding the competition, visit the Computer Society's CSIDC FAQ at <http://computer.org/csdc> or contact:

**CSIDC Chair:** Professor Alan Clements, [a.clements@computer.org](mailto:a.clements@computer.org)

**Guidelines:** Professor Mike Lutz, [m.lutz@computer.org](mailto:m.lutz@computer.org)

**Staff Liaison:** Stacy Saul, [ssaul@computer.org](mailto:ssaul@computer.org)

## SPECIAL PRIZES TO BE AWARDED

The Microsoft Multimedia Award will be presented to the team whose presentation at the World Finals makes the most innovative, exciting, and appropriate use of multimedia.

The Microsoft Award for Software Engineering will be presented to the team whose project exemplifies the best use of good software engineering principles in the design and testing of their prototype.

## ABOUT THE IEEE COMPUTER SOCIETY

The IEEE Computer Society is the leading provider of technical information to the computing industry. Established in 1946, the society has provided opportunities for professionals to exchange ideas, to solve problems, and to learn what the future of the industry may hold. **For more information about the Computer Society, visit <http://computer.org>.**

## IMPORTANT DATES:

Application Deadline: ..... 1 November 2003  
 Interim Report Due: ..... 20 February 2004  
 Final Report Due: ..... 23 April 2004  
 Top Ten Teams Selected: ..... 24 May 2004  
 World Finals in Washington, DC: ..... 27-29 June 2004

## TEAM PRIZES:

First Place:.....\$15,000	<b>ADDITIONAL PRIZES:</b>
Second Place: .....\$10,000	Microsoft Award for
Third Place: .....\$6,000	Software Engineering: .....\$3,000
Honorable Mention: ....\$2,000	Microsoft Multimedia Award: ....\$3,000

### THE CSIDC'S SPONSORS

Primary financial support for CSIDC 2004 is provided by Microsoft Corporation.

Additional financial support is provided by the IEEE Foundation.

