

# SCHOOL OF COMPUTING

AT THE UNIVERSITY OF UTAH

## 2007 Utah High School Programming and Design Competition

March 19, 2007

The University of Utah's School of Computing is proud to sponsor the 2007 Utah High School Programming and Design Competition. Teams of four high school students will compete in a contest of computer programming *and design* skills. We welcome students from all Utah high schools, even first-year computer programming students may compete and succeed!

The competition has two parts, a take-home problem and the on-site programming and design competition. The take-home problem allows teams a longer time (up to four weeks) to design and write a significant computer program. This year, the take-home problem will be an 'adventure' game, and submissions will be judged on artistic design, use of language and storytelling, as well as on programming skill. Teams may begin as early as February 16.

The on-site competition will be a three hour contest during which teams will be given three programming problems and one webpage design problem. The programming problems will challenge the students to solve a simple problem (in C++ or Java). Knowledge of file I/O, graphics, or other library specific functions will **not** be required. Programming problems will be scored based on correctness and timeliness.

The on-site webpage design problem will ask teams to prepare webpage(s) that display specific information that will be provided to the teams. All teams will have the same information, and the problem will be scored based on artistic design, use of language, and overall ease of use. Teams may use HTML, Javascript, or any webpage building tools installed on our workstations, no programming is necessary.

This competition is open to teams of four students from any Utah high school. Due to popular demand, the competition will have two divisions this year.

- **Division I** will be for beginning CS students only, and will have a problem set designed to challenge students who are only in their first year of programming classes. More experienced students are not allowed to compete in Division I.
- **Division II** will be for any high school students, and will have a problem set designed to challenge students who are taking their second year programming classes.

High schools may send one Division I team (first-year CS students only) and one Division II team. Teams may have at most three contestants of the same gender. Team members must not be older than eighteen years old.

There is an entry fee of \$35 for each team to help cover our expenses. All team members and advisors will receive T-shirts and lunch, as well as door prizes donated by our sponsors. Please get your entry form to us by March 7, so we can order the shirts. (Late entries are allowed, but we may not be able to order shirts in time.) We hope to see you here in March!

For more complete information and for registration forms, please visit: <http://www.cs.utah.edu/contest>

