This three-day Mobile Computer Science Principles (CSP) workshop will use mobile apps to introduce the seven “big ideas” in the AP CSP curriculum to high school teachers.

Participants: Secondary certified teachers. Middle school teachers will be considered if space permits.

No prior experience with computer science is needed. Applicants should have a strong interest in teaching computer science or embedding computer science in existing courses in high school.

The workshop is based on interactive activities and projects. Attendees of the workshop will gain hands-on experience with simple mobile apps for Android phones/tablets using the Appinventor platform. Teachers will learn ways to increase student engagement in the classroom by modeling active learning techniques. Participants will be introduced to the community of practice with teachers in the IDoCode project at Boise State that trains high school teachers in computer science.

Workshop Topics:
- Introduction to Computer Science Principles: Creativity, Abstraction, Data and Information, Algorithms, Programming, The Internet, Global Impact
- Application of CSP in designing and developing Mobile Apps using AppInventor
- Panel discussion with the Community of Practice with CS high school teachers
- Walking tour of two local software companies

Participants are strongly encouraged to bring their own laptops and Android devices (phones/tablets). Computers and Android devices will be available if participants do not have one.

Instructors
Tim Andersen, Amit Jain, Alark Joshi, Marissa Schmidt, Jyh-haw Yeh
Department of Computer Science
College of Engineering
Boise State University

Location
Boise State Campus, Engineering Bldg.,
1375 University Dr., Room 111

Registration Deadline: Friday, May 15, 2015
Enrollment limited to 25 high school instructors.

Registration is free.
Five scholarships are available for travel and lodging expenses for out-of-town teachers.

Professional Development credit cost will be covered by the Concurrent Enrollment Program for those who wish to receive one (1) credit this workshop provides. Classroom supplies will also be provided.

Breakfast, lunch and parking will be provided.

To register, contact Kristi Lakatos, Coordinator, Boise State Concurrent Enrollment Program (208) 426-3294 or Email: klakatos@boisestate.edu

Workshop Sponsored by:
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- Boise State Department of Computer Science, College of Engineering
- Boise State Concurrent Enrollment Program

Visit us at concurrentenrollment.boisestate.edu

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CONCURRENT ENROLLMENT