Trees and Technology

The new mobile-friendly arboretum map pinpoints and identifies trees all over Clark's main campus.

On April 9, Clark College will celebrate both the natural and digital worlds at its annual Arbor Day event, as it adds two new trees to the campus's beautiful arboretum and unveils a new, student-designed website that uses digital technology to catalog that arboretum. The new online map will allow visitors to instantly access descriptions of most trees on campus through their mobile devices.

The mobile-friendly online map is the product of work done by students in instructor Gus Torres's spring 2013 Web Design II class. The students worked with the college's Campus Tree Advisory Committee to identify trees in the campus's extensive arboretum, which includes such notable trees as a six-decade-old Scarlet Oak and 100 Shirofugen blossoming cherry trees donated to the campus by Japanese businessman John Kageyama in 1990. Students then GPS-tagged each tree and added it to the map with information about its genus and species. Additional students contributed to the project in subsequent quarters, with faculty from both the Computer Graphics Technology and the Computer Technology departments providing guidance and support.

"I look forward to the sight of Clark College denizens and those in the community at large walking across campus consulting their phones and tablets to find the answer to 'What kind of tree is this?'" said Computer Technology Department Head Robert Hughes, who also teaches in the Computer Graphics Technology program. "Project-based client

work has been a component of our graphics and web-related curriculum for a long time. These types of experiences are helpful as our students move into the workforce."

Hughes was one of the faculty members who helped support the project, along with Torres, Computer Graphics Technology professor Kristl Plinz, and Computer Technology instructor Bruce Elgort.

Members of Facilities Services proudly display Clark College's Tree Campus USA award during the college's 2013 Arbor Day event.

In keeping with this year's Arbor Day theme, "Trees and Technology," the event's keynote speech will be presented by Zahid Chaudry, GIS Program Manager of the U.S. Forest Service Region 6. Additionally, two trees are being added to the campus arboretum: an Eastern Hemlock and an Eastern White Pine. These are the official state trees of Pennsylvania and Maine, respectively, and are part of an effort by the college to include all 50 state trees in the campus arboretum; with these two additions, the arboretum will contain 39 state trees.

The event, which will take place at 11:00 a.m. just south of Cannell Library, will also feature the official bestowing on Clark of Tree Campus USA designation by the Arbor Day Foundation for the fourth year in a row. Tree Campus USA colleges must meet rigorous standards in five separate areas to earn this designation. The award will be presented by a staff member from the Washington State Department of Natural Resources and received by Clark College President Robert K. Knight.

The event is free and open to the public.

Photo: Clark College/Jenny Shadley