Encouraging pre-collegiate students to use and develop IT and programming skills remotely from the University.
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Abstract of Presentation
Using data garnered from the early stages of a multi-year NSF ITEST (Innovative Technology Experiences of Students and Teachers) grant called OssaBest, a program has been developed to use on-site programmable robots with university web-based programming training modules. This is part of an important ongoing effort to catch and develop the technology interest of teenagers, especially young women and underrepresented populations. Considerable enthusiasm from the students and teachers involved in the robot programming aspect of the grant was evident. It led to the recognition that this program’s approach is successful in leading to engaged learning on the part of students involved. It began with university based workshops. It is now being field tested in three states with on-line modules and email support. This presentation will describe the modules and logistics of web accessible support to teach pre-collegiate students relevant Java programming needed to program student friendly robots.

Note: This presentation will be an abstract only submission for the best practices strand. Following past practice, the Powerpoint will be uploaded when requested.