

Workshop: Technology Enhanced Active Learning

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Do your students seem more attached to their electronics than to the chalkboard? Let's use their devices as a tool for learning! In this workshop, we'll review four or five techniques where use of phones, tablets, or computers can enhance engagement and harness the learning gains brought by active learning. Participants are encouraged to bring a web-connected device so we can test techniques in real time.

This session complements Mike Prince's workshop, or may be attended separately.

About the presenter:

Margot Vigeant is a professor of chemical engineering and an associate dean of engineering at Bucknell University. Her research interests center on teaching and learning in engineering, and in particular the ways that active learning techniques can enhance conceptual learning. Current projects include developing and testing different modes of inquiry-based activities for learning in heat transfer, studying changes in situational curiosity and motivation associated with different pedagogies, and the impact of student-produced instructional videos. Upcoming projects include considering how maker spaces impact student learning and the use of games to teach engineering concepts. She is an Apple Distinguished Educator, and has previously presented versions of this workshop at the Bucknell E3 Workshop, the University of Toronto, and Manhattan College.