**Paper title:** Visual Interactive and Location Activated Mobile Learning

**Abstract:**
In this paper we proposed an application on smart phones for interactive mobile learning. Image recognition technology is used to link physical objects seen through the camera to relevant virtual knowledge. Through the built-in camera on the smart phone, visual interactive learning can be realized. With the GPS sensor, location activated learning is also possible. Combining both the camera and the GPS sensor on the phone, multimedia contents can either be activated by snapping a picture from a real world object or entering a predefined geographical area. This makes the learning process more interesting and intuitive. A web portal is developed for teachers to create the learning trails for different learning objectives. The mobile apps are also developed for iOS and Android platforms. A trial was conducted with school teachers and students and positive feedbacks are obtained.