

## **2006-1935: DIGITAL IMAGING EXPERIENCES FOR ENGINEERING STUDENTS**

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## **DIGITAL IMAGING EXPERIENCES FOR ENGINEERING STUDENTS**

Digital Imaging (DI) is becoming a popular tool in enhancing engineering education. The College of Engineering at Rowan University received NSF funding in integrating digital imaging experiences throughout their curriculum. Students are exposed to hand-on experiments that use simple digital imaging techniques. Experiments have been developed by different engineering disciplines. However the experiments are such that any engineering or science core course can adapt the developed material easily. The project comprises 8 modules that introduce students to fundamentals of DIT and its applications. All engineering students from their freshman year to the senior year are exposed to these DI modules. Some modules are also used for K-12 outreach through our women in engineering and math and science teacher workshops. This poster will focus on the use of DI to enhance the quality of engineering education.