

*Citrus Industry Magazine- UF/IFAS SWFREC Citrus Mechanical Harvesting Program
“What’s Shakin” column*

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On June 27th the IFAS Citrus Mechanical Harvesting & Abscission Team met with the Southwest Florida Citrus Mechanical Harvesting Advisory committee to report the progress made during the 2012 - 2013 citrus season. Dr. Won Suk “Daniel” Lee reported on his study to estimate fruit drop using machine vision. Dr. Lee’s system consists of two parts: image acquisition equipment and a computer vision algorithm for fruit count. Ground fruit from seven field trials were analyzed and found to be 74.8% accurate when compared with manual fruit count. This technology will have application not only in evaluating fruit recovery efficiencies of harvesting equipment, but also estimate the extent of fruit drop caused by disease and environmental factors. Dr. Lee’s complete report can be found at the UF/IFAS mechanical harvesting website: <http://citrusMH.ifas.ufl.edu>