

Energy & Security

**Matthew Veal, Biological and Agricultural Engineering (NCSU),
“The Security Ramifications of Biofuels Development ”**



Dr. **Matthew Veal** (Ph.D., University of Kentucky) is Assistant Professor and Extension Specialist in the Biological and Agricultural Engineering (BAE) Department, North Carolina State University. He is an expert on transfer in the area of bioprocesses and the application of bioprocesses using automated machine systems.

The need to diversify America’s energy supply is clear. Increasing the production and consumption of biofuels is one way to do this. Researchers at North Carolina State University are deeply involved in efforts to develop improved technologies and meet new challenges. Dr. Matt Veal has been a leader in this arena. One especially creative initiative - The FreeWays to Fuel initiative – for example, has led to the growing of biomass crops off highway rights-of-way and converting them to biodiesel to fuel DOT vehicles. An economically viable program, this also solves the security problems that arise when land suited for growing food crops is alienated to grow fuel crops. What other work is being done in this field? What security problems are solved? What security problems remain? This September, to launch this year’s monthly Energy Luncheon Seminars, Professor Veal will lead a discussion of the promise and perils of biofuels development.

**Cosponsored by the Kenan Institute for
Engineering , Technology, & Science**

**18 September 2013 (Wed.)
11:45 am - 1:30 pm
Room 129
1911 Building
NCSU campus
Luncheon Served (Free)**

**Triangle Institute for
Security Studies
Online Registration at
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