



Date:

Thursday, March 25, 2010

Time:

5:05 p.m. – 5:25 p.m.

Presentation:

“Biomass Deconstruction For \$5/Ton”

H. Tony Hartmann
CEO – Great Lakes Ag Energy

Processing options from drying, to size diminution, to pulping, to pretreatment, to depolymerization, to fermentation alternatives, biomass processing is a daunting task. Raw material heterogeneity is still another challenge. How do we do all this on a budget? Better understanding of native cellulose, together with new, real-time, in-situ process monitoring, artificial intelligence, and advanced control systems may hold the answers to commercially viable integrated biorefining.

Great Lakes Ag Energy, with its collaborators; Cellulose Sciences International, Polarmetrics Corporation, Derr Farms, and the U.W. - Stevens Point, have spent the last 18 months deconstructing a variety of Midwestern ag' residuals, biorefinery processing sidestreams/waste, new energy crops, woody biomass, and nuisance/invasive species. The goal; fossil feedstock alternatives for production of homegrown fuels, bioplastics/polymers, and biochemicals.

Landowners, farmers, processors and policymakers will want to join us for a brief presentation of the group's research findings from 2008-2010, funded primarily by the State of Wisconsin's WEIF Program, with assistance from NREL, and the DOD.

Presenter Biography:

H. Tony Hartmann

Responsible for strategic planning, including all marketing, sales and financial aspects of the R&D/consulting company. Primary foci; industry analysis, feedstock procurement and pretreatment, distributed processing, and biofuel production systems. Concentration; consulting services, education/training, evaluation of grain processing and biofuels technology for purchase, distribution, and partnering opportunities. Grant work includes; State Dept. of Ag, Trade & Consumer Protection -- Rural Economic Development, (VAPG & Renewable Energy/Energy Efficiency) State of Wisconsin (WEIF, BIO & ADD Grant programs, DATCP), and local (CDBG) funding.