CHEMICAL ENGINEERING

SEMINAR SERIES

AMAR NEOGI

Monday, April 18, 2016

Director, Renewal Research, retired
Weyerhaueser

Cellulosic Ethanol: Where to Go From Here

ABSTRACT: Technology for manufacturing Cellulosic Ethanol is being developed and commercialized to reduce GHG emission and replace gasoline. The sugars from biomass are also being used to develop Chemicals, Chemical Intermediates, Polymer and Plastics. We are in the early stages of transformation of Chemical Industry from Petroleum based Feedstock to Biomass based Feedstock and Chemical Engineers have an important role to play. To succeed, will require production cost low and competitive. In this seminar, various processes for manufacturing ethanol will be reviewed along with analysis of production costs to identify opportunities for improvement. A new low cost process for manufacturing ethanol will be presented along with results. An alternate feedstock offering the potential for further reduction in cost will be explored.

BIOGRAPHY: Amar Neogi completed Ph.D. in Chemical Engineering from U of W in 1970. He joined DuPont Company Wilmington, Del and worked there until 1976 to join Weyerhaeuser Company. He worked for Weyerhaeuser for ~40 yrs. and recently retired to work on his own. Dr.Neogi holds 160 U.S. Patents and Patent Applications.

RECEPTION 3:30 • LECTURE 4:00 – 5:00
PHYSICS ASTRONOMY BLDG. (PAA) A118

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