

Fall 2009 Seminar Series

# CHALLENGES AND INNOVATION IN CIVIL AND ENVIRONMENTAL ENGINEERING

## Phytoremediation: Concept and Science of Plant-Based Pollution Control for the Real “Green” Future

**Louis Licht**  
President/Founder,  
Ecolotree, Inc.

**Wednesday, September 30,  
2009  
129 DeBartolo Hall  
4:30pm**



Phyto fits with a real ‘GREEN’ future using photosynthesis. Opportunity exists for entrepreneurs with engineering skills. Since 1990, Ecolotree has designed and installed phytoremediation systems at over 100 sites in 30 states - with five in Indiana. These plant systems use trees (principally *Populus spp.* & *Salix spp.*) that grow a valuable crop while managing water and regulated pollutants. Many projects have been directly connected to ongoing university research, providing a demonstration field site to verify phytoremediation concepts.



Projects have been planted for covering landfills, treating municipal and industrial wastewater, containing and cleaning groundwater polluted by hazardous chemical releases, and redeveloping polluted industrial ‘brownfield’ sites.

*Louis Licht is founder and president of Ecolotree<sup>®</sup>, Inc. Since 1990, Ecolotree has designed and installed poplar-based phytoremediation systems at over 100 sites in 30 states and Europe.*

*A reception and an opportunity to meet the speaker will take place at 4:00pm in the CE/GEOS office conference room, Fitzpatrick 156, before the seminar*