

Charles D. Scott Award

Lee Lynd's interest in biotechnology for fuels and chemicals began as an undergraduate upon seeing clearing zones in cellulose agar. This observation, coupled with a desire to respond to the energy-related challenges of the late 1970s, prompted Lee to focus his senior thesis on using thermophilic bacteria to produce ethanol from cellulosic biomass. After receiving a B.S. degree in Biology from Bates College, he went on to obtain an M.S. degree in Bacteriology from the University of Wisconsin, Madison, and thereafter M.S. and D.E. degrees from the Thayer School of Engineering at Dartmouth. Currently a Professor of Engineering and an Adjunct Professor of Biology at Dartmouth, as well as a Professor Extraordinary of Microbiology at the University of Stellenbosch, South Africa, Lee has led an active research group at Dartmouth since 1987.



Lee has made many pioneering contributions to bioenergy and biomass conversion. Most impressively, his activities and accomplishments span the science, technology, and policy domains. Highlights include improving our fundamental understanding of microbial cellulose utilization, advancing the design and evaluation of biomass conversion processes, and providing a variety of critical analyses and input in support of biomass energy. Professional activities include serving as: the biofuels industry representative on an advisory committee to the Executive Office of President Clinton on reducing greenhouse gas emissions from personal vehicles (1994-1995); Associate Editor of the journal *Biotechnology and Bioengineering* (since 1995); Organizing Committee Member for this symposium (since 1996); Manager of the Link Foundation Energy Fellowship Program (since 1998); Member and R&D Area Coordinator for the Biomass and Agriculture Working Group of the Energy Future Coalition (2003-2004); and Steering Committee Member for an American Academy of Microbiology Symposium on Microbial Energy Production (ongoing). An active consultant and frequently invited presenter on technical and strategic aspects of biomass energy, Lee has twice testified before the United States Senate. He currently co-leads a large multi-institutional project entitled *The Role of Biomass in America's Energy Future*. The author of over sixty peer-reviewed papers and several comprehensive reviews, and the inventor of five patents, the field of biotechnology for fuels and chemicals would not be the same were it not for Lee's tireless and inspired efforts.