

AN EXECUTIVE COURSE

Today's industrial leaders of energy and chemical companies must understand the rapidly advancing science of biofuels and biochemicals, regulatory policy shifts, the economics of the technology and its competition, and research and development alliances.

This intensive 2-day course will examine the biological and thermochemical technologies of processing biomass into biofuels and biochemicals, as well as the economics and policy. Industry and academic experts from the Managing and Advisory Boards of the Society for Biological Engineering have organized this comprehensive program.

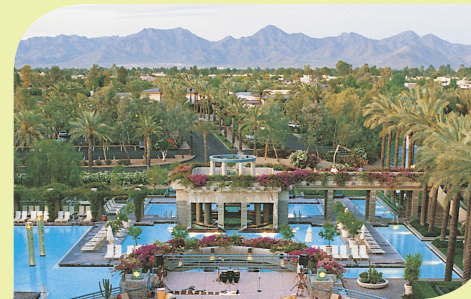
WHAT YOU WILL LEARN:

- An overview of the biotechnology in converting biomass to liquid fuels
- Available and alternative feedstocks
- The processes including pretreatment, fermentation, enzymatic hydrolysis, and thermochemical conversion
- Key challenges for economical processes
- How to evaluate different processes, including life cycle analysis and its impact on the environment
- The impact of policy and politics on the bioeconomy
- The future potential of industrial biotechnology

WHO SHOULD ATTEND?

Executives who need to rapidly gain an in-depth understanding of the field of biotechnology from a scientific, economic and policy perspective. The course will be particularly valuable to the following:

- Executives from the chemical, energy and agricultural industries that are developing or evaluating bioproducts
- Executives and entrepreneurs from start-up ventures that are developing bioproducts
- Investors who need to assess technologies and the economics of emerging companies
- Policy makers, lawyers and legislative staff who need to understand intellectual property or policy issues



COURSE SCHEDULE — DECEMBER 3-5, 2008

Wednesday, December 3

Afternoon Session: Starting with Biomass Feedstocks

- Where do they come from?
- What are they made of?
- What are the challenges of harvest, storage and transportation?

Evening: Cocktail Reception followed by a free evening

Thursday, December 4

Morning Session: A Critical Review of Biomass Process Technologies, including:

- Pretreatment
- Enzymatic hydrolysis
- Fermentation
- Thermochemical conversion

Lunch: Outside dining

Afternoon Session: A Critical Review of Biomass Process Technologies (Continued)

Evening: Cocktail reception followed by dinner on the patio

Friday December 5

Morning: The Business of Biomass and Impact of Government Policy, Economics and the Environment

Lunch: Outside Dining

Early Afternoon: Wrap-Up Panel Discussion

Visit our website at www.aiche.org/BioExecEd to access more detailed information about this program or email us at bio@aiiche.org for more information.

Early Bird Registration Deadline: November 1, 2008

December 3-5, 2008
Hyatt Regency Scottsdale
Resort and Spa at Gainey Ranch,
Scottsdale, AZ

Before Nov. 1: \$3,500

After Nov. 1: \$4,250

*(Tuition includes course,
lodging and meals)*

Science and the Emerging Bioeconomy for Executives

An Intensive Course for Executives Who Need to Understand
The Developing Field of Biomass for Energy and Chemicals

Organized by the Society for Biological Engineering

DECEMBER 3-5, 2008

HYATT REGENCY

SCOTTSDALE RESORT

AND SPA AT GAINNEY RANCH

SCOTTSDALE, AZ

**REGISTRATION IS ON
A FIRST-COME,
FIRST-SERVE BASIS**

**EARLY BIRD DEADLINE:
NOVEMBER 1, 2008**



www.aiche.org/BioExecEd

**SOCIETY for
BIOLOGICAL
ENGINEERING**
An AIChE Technological
Community

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