



The University of Minnesota (UMN)
and
The Norwegian University of Life Sciences (UMB)

BIOTECHNOLOGY and BIOENERGY
Minneapolis/St. Paul Workshop
May 13-15, 2007

LODGING
Radisson University Hotel
615 Washington Ave SE
Minneapolis, MN 55414

Sunday, May 13, 2007

WELCOME RECEPTION

Heritage Gallery
McNamara Alumni Center
200 Oak Street
Minneapolis, MN 55455

17:45 Guests of Radisson Hotel – meet Judd Sheridan in hotel lobby
for escort to McNamara Alumni Center

18:00 – 20:00 ***Hors d'oeuvres and refreshments***

Hosted by Royal Norwegian Consulate General, Minneapolis and the University of Minnesota

Monday, May 14, 2007

WORKSHOP PROGRAM – BIOMASS and BIOENERGY

Cargill Building for Microbial and Plant Genomics
1500 Gortner Avenue
St. Paul, MN 55108

07:30 Guests of Radisson Hotel – meet Todd Reubold in hotel lobby for
transportation to the St. Paul campus

08:00 ***Breakfast***

08:30 ***Welcome and Overview***

Knut Hove, Rector, UMB

Robert Elde, Dean, College of Biological Sciences, UMN

08:45 ***Report from Norwegian Centennial Chairs***

Judd Sheridan

Odd Jarle Skjelhaugen

09:00 ***Session I: Research and Industrial Partners***

Moderator: Judd Sheridan

Team 1: LiDAR-Based sampling procedures for regional forest biomass and
carbon estimation (*no presentation; report in Addendum 3*)

Team 2: Ecological, technical, and economic aspects of Bioenergy based on
forestry and agricultural resources

Dean Current

Team 3: Liquefaction of biomass for biofuel production

Geoffrey Gilpin and Roger Ruan

Bixby Energy, Bob Walker

Biorefining Inc. representative (unconfirmed)

10:00 **Break**

10:15 **Session IV: Research and Industrial Partners (continued)**

Team 4: Lignocellulose to biofuels
Vincent Eijsink and Simo Sarkanen/Steve Gantt

General discussion

Moderator: Kate VandenBosch

Biofuels Center Team as foundation for discussion of “value chain” for bioenergy-related teams

12:00 **Lunch with Keynote Speaker**
Gary Smaby – “Innovation by Design”

13:30 **Session III: Answering the Questions: Who Owns What?
How to Get it Out?**

Handling IP in transatlantic collaborations

- Case study: Enzyme IP
Sarkanen/Gantt – Vincent Eijsink
- University perspective
 - UMB TTO *Colin Murphy*
- Legal perspective – *Amy Xu*
- Industry perspective – TBD

14:30 **Break**

14:45 **Session IV: Answering the Questions: Who Owns What?
How to Get it Out? (continued)**

Bringing the technology to market

- Case study: Biorefining technology
Roger Ruan – Geoffrey Gilpin
- University perspective - Commercialization issues
 - UMN – *Doug Johnson*
 - UMB – *Colin Murphy*
- Government perspective
 - Norwegian Ministry of Agriculture and Food – *Gaute Homb Lenvik*
 - Minnesota Dept. Trade – *Jeff Phillips*
- Industry perspective – TBD

General discussion of IP and commercialization issues

16:45 **Leave for hotel**

13:30 ***Session II: Student Mobility – Preparing Future Researchers and Entrepreneurs***

Student mobility: progress, study/research models, next steps

- UMB – Summer University and other plans and challenges -*Trine Hvoslef-Eide*
- UMN - panel
 - *Judd Sheridan* – Involving students in research teams - “Integrated Bridge Model”
 - *Myrna Smith* – Fulbright opportunities for researchers and students
 - *Bill Ganzlin* – Experience bringing students to Norway
 - *Sophie Gladding, Nikki Shultz (unconfirmed)* – Challenges for recruiting UMN undergrads to study abroad
 - *Monika Zagar* – Perspectives from teaching Norwegian languages
- Student panel – experiences, challenges

Education of the new entrepreneurs - *Gary Smaby and students*

15:30 ***Wrap-Up – Odd Jarle Skjelhaugen, Judd Sheridan***

- Reports from breakout sessions – next steps for research teams
- Industrial perspectives
- Next steps for chair program

SPECIAL EVENT – by invitation only

Campus Club – 4th Floor
Coffman Memorial Union
300 Washington Avenue South
Minneapolis, MN 55402

17:15 Guests of Radisson Hotel – meet Todd Reubold in hotel lobby for transportation to Campus Club

17:30 ***Dinner and entertainment***

ADDENDA

Addendum 1 Sponsors and Supporters
Addendum 2 Participants
Addendum 3 Team Summaries