

**Eighth International Conference on Precision Agriculture
Minneapolis, Minnesota
Marriott Hotel**

Program Overview

7/11/06 version

Sunday, July 23

Afternoon

11:00-6:00 Registration

2:30-4:30 **Industry Updates** (15 min each)

- Ag Leader, Ag Renaissance, AutoFarm, Deere, Geosys, Holland Scientific – Wayzata Bay/Gray's Bay
- Omnistar, Photon Systems, Redball, SST, Caledonia Solutions, Agri ImaGIS, Red Hen – Excelsior Bay/Lafayette Bay

2:30-4:30 Concurrent Sessions

- Remote Sensing (Klem, Hank, Kulkarni, Thorp) – Deer Lake
- Engineering Technology (Christy, Holland) – Elk Lake
- Precision Management/Conservation (Taylor, Gee, Temple, Burris) – Pine Lake/Cedar Lake
- Modeling (DeJonge, Wang, Sahoo) – Birch Lake/Maple Lake

5:00-7:00 Reception and cash bar – Pre-Function Area

5:00-7:00 Exhibits – Ballrooms 1/2:

A & L Analytical Laboratories, AGCO Global Technologies, Ag Leader, Ag Renaissance, Amity Technology, AutoFarm, Geometrics, Geonics, Geosys, Holland Scientific, John Deere, Mosaic, NovAtel Inc., Ntech Industries, Inc., Omnistar, Photon Systems Instruments, Meister Media/PrecisionAg, Raven Industries, Rawson Control Systems, Inc., Redball, Red Hen, The Soil Company, SST, Veris Technologies, Inc., Zeltex Inc.

Monday, July 24

Morning

7:00-5:00 Registration continues

8:15-8:30 Opening Remarks: David Mulla, Conference Chair – Ballrooms 3/4

8:30-9:30 General Session: Keynote Speaker – Tom Harmon UC Merced

Multiscale Embedded Network Sensors in Support of Integrated Precision
Agricultural and Environmental Observations and Management –
Ballrooms 3/4

9:30-10:00 Break – Pre-Function Area

10:00-12:00 Concurrent Sessions

- Natural Resources Variability (Bolenius, Sudduth, Roel) – Birch Lake/Maple Lake
- Information Management (Reese, Larson, Gnip) – Crystal Lake
- Precision Management/Conservation (Lamp, Morimoto, Lilienthal, Wolcott) – Pine Lake/Cedar Lake
- Remote Sensing (Jasper, Chang, Scharf) – Elk Lake
- Engineering Technology (Schumann, Chosa, Kroulik, Samson) – Deer Lake

10:00-12:00 **Practitioner A to Z**

- Weed Management (Clay, Wiles, NTech-Mayfield, FieldRecon-Krueger) – Gray’s Bay/Wayzata Bay
- AutoSteer and Guidance (Lowenberg-DeBoer, Omnistar-Pointon, AmityTech-Daws, NovAtel-Paynter) – Excelsior Bay/Lafayette Bay

10:00-6:00 Exhibits – Ballrooms 1/2

12:00-1:00 Luncheon – Ballrooms 3/4

Afternoon

1:00-3:00 Concurrent Sessions

- Natural Resources Variability (Lund, Anandacoomaraswamy) – Birch Lake/Maple Lake
- Information Management (Ferentinos, Ribeiro) – Birch Lake/Maple Lake
- Precision Management/Conservation (Schwarz, Flynn, Palm, Shannon) – Deer Lake
- Remote Sensing (Yang, Heiniger, Lilienthal, Maidl) – Elk Lake
- Engineering Technology (Mesterhazi, Charvat) – Crystal Lake
- Profitability (Hurley, English) – Pine Lake/Cedar Lake
- Crop Quality (Reckleben, Grove) – Pine Lake/Cedar Lake

1:00-3:00 **Practitioner A to Z**

- Management Zones/GIS Software (Franzen, Deere-Wesch, SST-M. Waits, AGCO-Swain) – Gray’s Bay/Wayzata Bay

3:00-3:30 Break – Pre-Function Area

- 3:30-5:00 Poster Session - Lobby
- Information Management (Roloff, Schwarz)
 - Natural Resources Variability (Gregoret, Marchesi, Pepo)
 - Precision Management (Cora, Franzen, Huluka, LeClerc, Merrill, Stelford, Zaman)
 - Profitability (Gandonou, Salim, Shibusawa)
 - Remote Sensing (Bausch, El-Sebai, Groell, Jacobi, Prince)
- 5:00-6:00 Reception – Pre-Function Area

Tuesday, July 25

Morning

- 7:00-5:00 Registration Continues
- 8:00-6:00 Exhibits – Ballrooms 1/2
- 8:00-9:30 Concurrent Sessions
- New Applications Worldwide (Aggeloupoulo) – Crystal Lake
 - Remote Sensing (Tubana, Meron, Panbecker/Keiser) – Deer Lake
 - Profitability (Layrol, Gandonou, Shockley) – Elk Lake
 - Precision Management/Conservation (Clay, Pullis) – Birch Lake/Maple Lake
 - Spatial Statistics (Lowenberg-DeBoer, Mulla) – Pine Lake/Cedar Lake
- 8:00-9:30 **Practitioner A to Z**
- Management Zones (Khosla, Clay, Grove) – Gray’s Bay/Wayzata Bay
 - Remote Sensing (Bausch, Holland Scientific-K. Holland, PSI-Trtilek) – Excelsior Bay/Lafayette Bay
- 9:30-10:00 Break – Pre-Function Area
- 10:00-11:00 Concurrent Sessions
- New Applications Worldwide (Kumar, Srivastva) – Crystal Lake
 - Remote Sensing (Phillips, Gumz) – Deer Lake
 - Profitability (Menegatti, Gandorfer) – Elk Lake
 - Precision Management/Conservation (Pierce, Chavez) – Birch Lake/Maple Lake
 - Modeling (Silverio, Bari) – Pine Lake/Cedar Lake
- 10:00-11:00 **Practitioner A to Z**
- Management Zones (Heiniger, Reese) – Gray’s Bay/Wayzata Bay
 - On-Farm Research (Carlson, Hernandez) – Excelsior Bay/Lafayette Bay

- 11:00-12:00 Poster Session - Lobby
- Crop Quality (Reimer, Sasaki, Suzuki)
 - Education/Outreach (Williams)
 - Engineering Technology (Cavani, Chosa, Dominigue, Li, Khakberdiev, Okayama, Rocha de Carvalho, Paciancia Godoy, Vieira de Sousa, Umeda)
 - Environment (Hong, Matejkova, Matejkova)
 - Geostatistics (McBride, Thomsen)
 - New Applications Worldwide (Balasundram, Gutierrez Castillo, Main)
- 12:00-1:30 Luncheon – Ballrooms 3/4
- Afternoon
- 1:30-2:30 Concurrent Sessions
- Geostatistics/Sampling (Knappenberger, Abd-Aziz) – Pine Lake/Cedar Lake
 - Remote Sensing (Humburg, Coquil) – Deer Lake
 - Profitability (Griffin, Conrad) – Elk Lake
 - Precision Management/Conservation (Clay, Huggins) – Birch Lake/Maple Lake
 - Modeling (Bobert, Hache) – Crystal Lake
- 1:30-2:30 **Practitioner A to Z**
- Sensors (Geometrics-Groom, Veris-Lund) – Gray’s Bay/Wayzata Bay
 - Value Added Information (Geosys-LePoutre/Layrol, Zeltex-Rosenthal) – Excelsior Bay/Lafayette Bay
- 2:30-3:00 Break –Pre-Function Area
- 3:00-4:30 Concurrent Sessions
- Geostatistics/Sampling (Tremblay, Amin) – Pine Lake/Cedar Lake
 - Remote Sensing (Gee, Iqbal, Li) – Deer Lake
 - Profitability (Froehlich, Khosla, Schmitz) – Elk Lake
 - Precision Management/Conservation (Roloff, Wagner) – Birch Lake/Maple Lake
 - Modeling (Lilienthal, Lilienthal) – Crystal Lake
- 3:00-5:00 **Practitioner A to Z**
- Remote Sensing (Yang, NTech-Mayfield, Deere-Keiser) – Excelsior Bay/Lafayette Bay
- 4:30-5:30 Poster Session - Lobby
- Modeling (Hank, Juan, Link, Sanderson)

- Precision Management/Conservation (Casey, Chung, Graeff, Peterson, Tremblay, Wiles)
- Remote Sensing (Inamasu, Johnson, Kato, Klem, Liu, Prince, Shaker, Van Arndt)

5:30-6:00 Reception – Pre-Function Area

6:30-9:00 Dinner Banquet – Ballrooms 3/4

Wednesday, July 26

Morning

7:30 Registration Continues

8:00-9:30 Concurrent Sessions

- Precision Management/Conservation (Molin, Wesch) –Elk Lake
- Remote Sensing (Thomsen, Belal, Miao) – Deer Lake
- Education/Outreach (Reichardt, Reichardt) – Pine Lake/Cedar Lake
- Environment (Jantschke) – Birch Lake/Maple Lake

9:30-10:00 Break – Pre-Function Area

10:00-10:30 Trends in Adoption of Precision Agriculture (Lowenberg-DeBoer) – Ballrooms 3/4

10:30-11:30 Open Discussion: Visioning for the Future of Precision Agriculture in North America, South America, Africa, Australia, Asia, and Europe – Ballrooms 3/4

- Jess Lowenberg-DeBoer, Jose Molin, Parvin Shaker, James Taylor, Sakae Shibusawa

11:30-11:45 Closing Remarks and Announcements – Ballrooms 3/4

- David Mulla,
Department of Soil, Water and Climate
Precision Agriculture Center
University of Minnesota