Welcome and Introduction: Precision Forestry Symposium

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Welcome

- College of Forest Resources, University of Washington is pleased to host this second international symposium dedicated to Precision Forestry.
- We hope your participation and ideas will help focus attention on innovative technologies and approaches to guide the future of forestry and the forest industries in Washington State and elsewhere.
- A few words about our College.

History of Advanced Technology Initiative (ATI)

- The UW's Precision Forestry Cooperative is one research cluster funded by the State's Advanced Technology Initiative (ATI).
- The ATI is a partnership between the Legislature, private industry, and the research universities of the State of Washington.
- Washington State Legislature funded six Advanced Technology Initiatives during the 1999/2001 biennium.

History of ATI

- Each ATI "cluster" is expected to generate new industries or transform existing industries of importance to Washington State.
- And, each "cluster" is a bridge between research, education, and new economic activity. New leaders are being educated to help transform the industries vital to the State's economic future.

Precision Forestry

- Employs high technology sensing and analytical tools to support site-specific, economic, environmental, and sustainable decision-making for the forest sector.
- Provides highly repeatable measurements, actions, and processes to grow and harvest trees, as well as to protect and enhance riparian areas, wildlife habitat, esthetics, and other environmental resources.

Precision Forestry

- Provides valuable information and linkages between resource managers, the environmental community, manufacturers, and public policy.
- Links the practice of sustainable forestry and conversion facilities to produce the best economic returns in an ecologically and socially acceptable manner.

Precision Forestry

- Innovative technologies
  - GPS, GIS for precise ground measurements
  - Remote sensing (LIDAR, INSAR)
  - Wireless systems
- Innovative technologies
  - Real-time process control scanners
  - Visualization
  - Decision support systems (integrated data systems)

Precision Forestry Cooperative

- PFC focuses on --
  - Decision Support Systems
  - Remote Sensing and Geospatial Analysis
  - Silvicultural and Ecological Engineering
  - Precision Operations and Terrestrial Sensing

Precision Forestry Cooperative

- GOAL: To develop tools and processes that increase the precision of forest data to support better decisions about forests -- their services and products.
- A collaborative effort with private landowners, public agencies, manufacturers, and harvesters.

Precision Forestry Symposium

- Brings scientists, managers, and developers together to work collaboratively.
- Will provide insights into the current “state of the art” an provide a springboard for new ideas and innovations.
- We hope you enjoy the symposium, the campus, and the city during your stay with us.