



## Oregon Remote Sensing Workshop Agenda

Wednesday, February 14, 2007

8:00 am – 4:30 pm

. LaSells Stewart Center Construction & Engineering Hall,  
Oregon State University, Corvallis, Oregon

### *Workshop Objectives:*

1. Educate potential users in remote sensing applications with a variety of sensors
2. Understand the remote sensing users and needs in Oregon
3. Facilitate imagery contributions to Oregon's Imagery Explorer Portal

**8:00**            **Registration** – *Morning coffee available*

**8:30**            **Welcome and Workshop Overview** – *Janine Salvasser, OSU Libraries*

**8:45**            **Remote Sensing Primer and Refresher** - *Anne Nolin, OSU Geosciences*

**9:30**            **Overview of NASA's Data Products and Activities in the 12 National Application Areas** – *Tim Haithcoat, National States Geographic Information Council*

**10:15**          **Break** – *Sponsored by ER Mapper*

**10:30**          **Remote Sensing Applications and Products**

*Moderator: Robert Kennedy, USFS – PNW*

- An Introduction to Light Detection and Ranging (LiDAR): Concepts and resource application – *Russell Faux, Watershed Sciences, President*
- Mapping Wildfire Severity: High resolution digital aerial photography versus Landsat's differenced normalized burn ratio (dNBR) – *Jonathan Thompson, OSU Dept. of Forest Science, Doctoral Candidate*
- Modern Photogrammetry – *Chris Aldridge, Spencer B. Gross Inc.*
- Mapping Weeds with Multi-temporal Imagery - *Eric Peterson, Nevada Heritage Program*
- Monitoring Change in National Parks and Forests from Space – *Robert Kennedy, USFS-PNW, Postdoctoral Research Ecologist*

- 12:00**      **Lunch and Networking - *Guistina Gallery***  
*Exhibit Space and Poster Session will be available for viewing in Guistina Gallery. Lunch is free and sponsored by the Columbia River Region of the American Society of Photogrammetry and Remote Sensing (ASPRS)*
- 1:15**      **Collaborative Imagery Applications**  
*Moderator: Theresa Valentine, USFS*
- Considerations for planning, acquiring, and processing LIDAR data for collaborative forestry applications – *Steve Reutebuch, USFS-PNW, Silviculture and Forest Models Team Leader*
  - The MODIS Direct Broadcast Station at Oregon State University: Characterizing and monitoring ocean processes along the Oregon coast – *Ricardo Letelier, OSU College of Oceanic and Atmospheric Sciences Professor*
  - Statewide Change Detection: Finding common ground through collaboration – *Lisa Fischer, USFS, Forest Health Monitoring Program Manager*
  - Cooperative efforts in the USGS Gap Program - *Tom Miewald, Sanborn remote sensing analyst*
- 2:15**      **Overview of Oregon Imagery Portal** – *Tim Fieze, OSU Libraries*
- 2:30**      **Break and Networking - Sponsored by ER Mapper**
- 3:00**      **“Lightning Talks”** – *Tim Fieze, facilitator*  
*Quick identification of available user applications, services, user needs for image product and services*
- 4:15**      **Closing Remarks** – *Jim Meacham, ASPRS Columbia River Region President and UO Geography*
- 4:30**      **Adjourn**

*Thursday, February 15, 2007*

- 1:00 to 5:00**      **Basic Image Processing Training Session** – *Digital Earth Lab Wilkinson 210 (2<sup>nd</sup> floor) – Instructor: Anne Nolin, OSU Geosciences*  
*\*\*pre-registered participants only, limited to 30 people*