

## **Oregon Tech Sustainability Summit**

Day 1 Technical Program  
Mon Apr 21, 2014



### **Registration, pasteries, and coffee**

College Union, First Floor  
8:00 – 9:00 AM

### **Welcoming Remarks**

College Union Auditorium  
9:00 – 9:20 AM

### **Renewable Energy Engineering, Science, and Technology I**

Mt. Thielsen Room  
9:30 - 10:30 AM

Moderators:

Linda Riley - Oregon Tech  
Jamie Zipay - Oregon Tech

Hope Corsair - Oregon Tech

Renewable energy for rural electrification in the developing world

Feng Shi - Oregon Tech

Dynamic wireless charging Electric Vehicle and Solar Road Way Transportation System

Jamie Zipay – Oregon Tech

Status and near future of solar- and wind-based energy technologies

### **Ecological Restoration and Sustainability I**

Mt. Bailey Room  
9:30 - 10:30 AM

Moderator:

Michael L. Hughes, Oregon Tech

Craig Bienz - The Nature Conservancy

Can we sustain our forests?

Mike Gerel - Sustainable Northwest

Sustainable Northwest: solutions for wildlife and people

John Rueter - Portland State University

Understanding worldviews helps sort through technical assessment of restoration methods

### **Break**

10:30 - 10:45 AM

## **Renewable Energy Engineering, Science, and Technology II**

Mt. Thielsen Room

10:45 - 11:45 AM

Andrew Chiasson - Oregon Tech

Geothermal energy utilization at Oregon Tech: past, present, and future

Bill Honjas - Klamath Basin Geopower

Towards global geopower: integrating computational geophysics and local market economics to organically place geothermal power in the global energy mix

Joe Eberhardt - EDF Renewable Energy & Lauren Jespersen - Rising Sun Hydropower

Swan Lake Pumped Storage Hydroelectric Project

## **Ecological Restoration and Sustainability II**

Mt. Bailey Room

10:45 - 11:45 AM

Moderator:

Michael L. Hughes, Oregon Tech

Dan Blake - US Fish & Wildlife Service

Habitat restoration in the Upper Klamath Basin by the U.S. Fish and Wildlife Service

Nell Kolden - Klamath Basin Rangeland Trust

Case study: project planning for landscape-scale restoration

Ginny Monroe - Klamath Watershed Partnership

Living and working with beavers

## **Ecolunch Keynote Session**

Mt. Mazama-Scott Complex

12:00 - 1:15 PM

Rob Del Mar – Oregon Department of Energy

Oregon's renewable energy future

Bob Gearheart – Humboldt State University

Lessons learned in treatment wetland performance at the Arcata Marsh and beyond

## **Agriculture, Ecosystems, and Water Resources Management**

Mt. Thielsen Room

1:30 - 2:50 PM

Moderator:

Mark Clark - Oregon Tech

Jason Cameron - Bureau of Reclamation  
Klamath Project 2013 Biological Opinion - A limited water supply with many competing demands

Garrett Steensland / Scott White - Oregon Water Resources Department  
Implementation of Oregon water law and the doctrine of prior appropriation to the Upper Klamath Basin

Dave Ferguson - Natural Resources Conservation Service  
US Department of Agriculture 2014 Farm Bill Support of Agroecosystems

Willie Riggs, Oregon State University Extension  
Agroeconomic decision-making and the value of Klamath Basin agriculture

### **Ecological Restoration and Sustainability III**

Mt. Bailey Room  
1:30 - 2:30 PM

Moderator:  
Michael L. Hughes, Oregon Tech

Michael Hughes - Oregon Tech  
Wetland management and restoration in the Upper Klamath Lake watershed: overview and prospects

Gordon Lemmel - Klamath Lake Land Trust  
Sprague River Floodplain Rehabilitation

Tony Lagreca - Klamath Tribes  
Hydrogeomorphic assessment of the lower Williamson River: implications for restoration and salmonid reintroduction

### **Poster Session**

Mt. Mazama/Scott Lounge  
2:30 - 4:00 PM  
(Please contact Michael Hughes to submit a poster: michael.hughes@oit.edu)

### **Panel Discussion**

(College Union, Room TBA)  
4:00 - 5:00 PM  
(Please contact Michael Hughes if you would like to participate on a discussion panel)