Monday, June 26
Poster display: 3 – 10:00 pm
Reception: 5:30 – 10:00pm

Tuesday, June 27
7:00 – 8:00 am – Breakfast (provided) – Commons Creekside Dining Hall
7:30 – 8:00 am - Registration

Moderator: John Alden

8:00  Welcoming address – “Alaska’s forests and management objectives”
      John ‘Chris’ Maish, Alaska State Forester

8:15  “Alaska’s northern conifers: Their distribution, adaptation, morphology, and genetics”
      John Alden

8:40  “A brief history of genecology” – Greg A. O’Neill

9:05  “Growth and adaptation of local white spruce and lodgepole pine in response to climate change in Northern Alaska” – Glenn Juday

9:30  “Chloroplast DNA evidence of a white spruce glacial refugium in Alaska”
      Feng Sheng Hu

10:00 Break- Beverage Service (in meeting room 107)
Moderator: Sally Aitken

10:30 “The adaptive uniqueness of co-occurring northern conifers (lodgepole pine, interior spruce and subalpine fir) in regards to phenology on an elevation transect” - Scott Green

11:00 “Characterizing the growth responses of three co-occurring northern conifers to climate variation across a range of conditions near treelines” - Yumiko Miyamoto

11:20 “Climate and spatial genetic variation in quantitative traits of lodgepole pine” - Tongli Wang

11:40 “Functional and population genomics of cold tolerance in Sitka spruce (*Picea sitchensis* (Bong.) Carr.)” - Jason Holiday

12:00 Lunch (provided) – Creekside Eatery Dining Hall

Moderator: Greg O’Neill

1:00 – “Peripheral populations of conifers: High priority for gene conservation or ‘land of the living dead’?” - Sally Aitken

1:30 “Population genetic patterns of candidate genes for seasonal dormancy in balsam poplar” - Matt Olson

1:55 “Genecology studies in the hybrid-complex zone between white spruce / Sitka spruce in Northwest British Columbia” - John N. King

2:20 “Proposed yellow-cedar genetics research: Post-glacial migration and contemporary cold tolerance” - Paul E. Hennon

2:45 Break

Moderator: Lauren Fins

3:15 “Dissociating genetic and environmental effects on white-spruce needle morphology: Can we use morphological traits as environmental proxies?” – Lynn Anderson

3:40 “Genetic variation and control of chloroplast pigment content in *Picea rubens, P.mariana*, and their hybrids. I. Under ambient and elevated CO2 environments” - John E. Major

4:05 “Genetic impacts of forest management practices and forest fires in North American boreal spruces” - Om P. Rajora

4:30 “Genetic architecture of sub-alpine fir from BC as revealed through nursery and farm field tests” - Charlie Cartwright

4:55 End Session

7-8 Pm UAA tree walk hosted by Patricia Joyner, Director, Urban and Community Forestry Program, State Division of Forestry, Anchorage
Wednesday, June 28 - Kenai Peninsula field excursion

6:30        Am  Pick up boxed breakfast and boxed lunches from Commons Dining Hall
07:00       Leave UAA Conference Center
07:30-8:30  Tour Tryck's Arboretum
09:00-9:20  Observe black, Sitka and Lutz spruce in Bird Creek Muskeg
09:40-10:00 Coffee-snack stop at Girdwood
10:40-11:00 Discuss survivors at Johnson Ck. trail head (stop 2 minutes west of Campground before 6 mile ck. appeared to have the largest and perhaps oldest surviving spruce?)
12:00-12:20 Visit tri-hybrid (hybrid vigor in this cross?)
12:40-1:20  Quartz Creek lunch stop (Bring binoculars: Weather permitting, view Mt. sheep from Sunrise Parking Lot)
2:00-2:10  Lawing Work Center or Campground rest stop?
3:10        Arrive at Alaska Sealife Center: Tour of facilities with presentation on Research Department by Brendan Smith, Research Education Facilitator.
4:00        Presentation on "Accelerating Fresh to Salt Water Adaptation of Salmon" by Caroline Cherry of MariCal Corporation, Portland, Maine
4:30        Leave Seward
6:30        Arrive at Alyeska Ski Resort
7:00-8:00  Banquet
8:00- 8:45  Guest Speaker: "Wildlife Genetics in Alaska" by Dr. Mathew Cronin, Assoc. Professor of Animal Genetics, School of Natural Resource and Agricultural Sciences, UAF
9:40        Return to UAA – End of day

Thursday, June 29

7:00 - 8:00 – Breakfast- Commons Dining Hall

Moderator: Lauren Fins

8:15    “Results for above- and below-ground bio-sequestration of mature F1 black spruce varying in site and family productivity” - John E. Major

8:40    “Limber pine forest mortality event in response to persistent 1990s low precipitation and high minimum temperatures” - Westfall, R. D.
9:05  “Condensed tannins and defoliation resistance of *Leucaena* Benth. to the leucaena Psyllid (Heteropsylla cubana)” - Robert A. Wheeler

9:30  Break - Beverage Service, Room 107

**The genetics of bark beetle and host interactions**

Kimberly Wallin, Moderator

10:00  Introduction - Kimberly Wallin

10:05  “Overview and history of spruce beetle outbreaks in Alaska” – Michael Fastabend

10:30  “Host nutrition and bark beetles: Fertilization impacts of tree resistance and susceptibility”  
      Stephen P. Cook

11:00  “WFGA business meeting” – Greg O’Neill

11:45  Lunch provided – Creekside Eatery Dinning Hall

**Bark beetle host selection behavior**

12:30  “Genetics of host resistance: Linking host selection behavior in outbreak populations”  
      Kimberly Wallin

1:00   “Aggregation initiation and host selection in the mountain pine beetle: The importance of body condition and tree defences” – Tanya Latty

**Genetics: Tree response and bark beetles**

1:30   “Can Kenai Peninsula spruce resist beetle attack?” – Tricia L. Wurtz

1:55   “Genetic variability in oleoresin flow: Estimates from a loblolly pine population”  
      James Roberds

2:25   “Genetic and phenotypic resistance in lodgepole pine to attack by mountain pine beetle”  
      Alvin Yanchuk

2:55   Break – Beverage Service in Commons 107

**Interactions**

3:25   “Evolutionary interactions between southern pine beetles and southern pines” - Matt Ayres

3:55   Open panel discussion: “Are there realistic tree breeding options for bark beetle resistance?”  
      Alvin Yanchuk, Discussion leader

4:55   End of Session