All events at Holiday Inn Select City Centre, 2nd floor, unless noted

Monday 13th October 2014
(Shuttle departs at 17:45 from Hilton Garden Inn and at 20:00 from Holiday Inn)
18:00-2000. Registration and welcome reception

Tuesday 14th October 2014
(Shuttle departs at 07:15 from Hilton Garden Inn to Holiday Inn)
7:15-8:15. Continental Breakfast
7:30-8:30. Registration
8:30-9:30. Welcome speech by Organizing Committee
9:30-10:00. Inaugural talk: Future Landscapes: Opportunities and Challenges. John Stanturf, USDA Forest Service, Georgia, USA.

Session 1: Forest restoration: objectives, strategies, and needs
Moderator: José M. Rey-Benayas, Alcalá University, Spain
10:00-10:30. Keynote speaker: Restoration of resilient forests: an achievable goal or an impossible dream? Adrian Newton, Bournemouth University, UK.
10:30-11:00. Coffee break
11:00-12:30. Oral communications
   • Evolution of forest restoration – A solid past and a dynamic future. Gabriela Nunez-Mir, Purdue University, Indiana, USA.
   • Reforestation and ecosystem services: If you build it, will they come? Brian D. Strahm, Virginia Tech University, Virginia, USA.
   • Monitoring the influence of restoration plantings on tropical dry forest regeneration dynamics in coastal Kenya. David W. MacFarlane, Michigan State University, Michigan, USA.
   • Fire-Sites Restoration in Middle Volga: Major Risks and Modern Technologies. Tatiana V. Nureeva, Volga State University of Technology, Russian Federation.
   • Indigenous tree planting of Atlantic rainforest restoration areas in Brazil: Developments at Fibria Celulose S.A.. Ana Paula Correa do Carmo, Fibria Celulose S.A., Brazil.
   • Stand development patterns and silvicultural opportunities for young planted oak stands on bottomland hardwood restoration sites. Brent Frey, Mississippi State University, Mississippi, USA.
12:30-13:30. Lunch
Moderator: Pablo Donoso, Austral University, Chile
13:30-14:00. Keynote speaker: To Mordor and back: the journey towards forest restoration following oil sands mining. Ellen MacDonald, University of Alberta, Canada.
14:00-15:45. Oral communications
   • Appalachian Regional Reforestation Initiative: Defining successful reforestation of mined lands. Mary Beth Adams, USDA Forest Service, West Virginia, USA.
• Are high seed production areas coincident with seedling field performance? Attempting to achieve success in restoration of Mediterranean forests. **Adison Altamirano**, Universidad de La Frontera, Chile.

• Understory diversity and biomass accumulation in an area under rehabilitation in Central Mexico. **Araceli Ventura-Rios**, Colegio de Postgraduados, México (presenter: **F. Ofelia Plascencia Escalante**).

• Conversion of introduced conifer species to native hardwoods – a review. **Magnus Löf**, Swedish University of Agricultural Sciences, Sweden.

• Future directions for forest restoration in Hawai‘i. **James B. Friday**, University of Hawai‘i, Hawai‘i, USA.

• Restoring Pacific Island forests: Challenges and strategies for successful technology transfer. **Diane Haase**, USDA Forest Service, Oregon, USA.

• Engaging farmers in woodland restoration and habitat management. **Brad Withrow-Robinson**, Oregon State University, Oregon, USA.

15:45-16:15. Coffee break

**Session 2: Producing plant material to resist stress**

**Moderator:** Kas Dumroese, USDA Forest Service, Idaho, USA

16:15-17:30. Oral communications

• **Radiosensitivity of Albizia chinensis (Obsbeck) Merr seeds and its role in vigor enhancement at early growth phase.** **Prof S S Singh**, Guru Ghasidas University, India.

• **New technology for pre-cultivation of forest seedlings under LED lamps – modification of light conditions to mitigate light shock stress after transplanting to open land.** **Marco Hernandez Velasco**, Dalarna University, Sweden.

• **Hardening pine seedlings improves survival and growth on shallow soils.** **Maria Luisa Avila Angulo**, Colegio de Postgraduados, México (presenter: **Arnulfo Aldrete**).

• **Bottles to trees: Plastic beverage bottles as an alternative container type for seedling propagation in developing countries.** **Owen Burney**, New Mexico State University, New Mexico, USA.

• **Stocktype development and selection for improved restoration success in Lebanon.** **Karma M. Bouazza**, Lebanon Reforestation Initiative, Lebanon.

(Shuttle departs at 17:40 from Holiday Inn to Hilton Garden Inn)

**Wednesday 15th October 2014**

07:30-08:30. Travel to J.S. Wright Forestry Center and continental breakfast (Shuttles depart at 07:30 from Holiday Inn and from Hilton Garden Inn)

**Moderator:** Juan Oliet, Universidad Politécnica de Madrid, Spain

**Session 2 (continued): Producing plant material to resist stress**

08:30-09:00. **Keynote speaker:** The WoodWideWeb – How specialized are mycorrhizal symbioses? **Barbara Hawkins**, University of Victoria, Canada.

09:00-10:15. Oral communications

• **Interactive effects of nitrogen supply and container size on root architecture, growth and nutrient storage in two contrasting tree species of Quercus variabilis and Pinus tabulaeformis.** **Zhongqian Cheng**, Beijing Forestry University, China.

• **Is bigger better? Effects of container size on Juglans regia L. and Quercus robur L. seedling shoot and root system development in the nursery and at field establishment.** **Barbara Mariotti**, Università degli Studi di Firenze, Italy.
• Growth comparisons after ten to thirteen years for containerized air-root-pruned and conventional nursery planting stock of swamp white oak on contrasting sites. J. W. (Jerry) Van Sambeek, USDA Forest Service, Missouri, USA.

• Contribution of fertilization and inoculation with arbuscular mycorrhizal fungi (AMF) to reforestation efforts in San Francisco valley of Southern Ecuador. Ximena Palomeque, Universidad de Cuenca, Ecuador.

• Foliar absorption and root translocation of nitrogen from different chemical forms in seedlings of two Mediterranean trees. Mercedes Uscola, Universidad de Alcalá, Spain.

10:15-10:45. Coffee break
Moderator: Jeremy Pinto, USDA Forest Service, Idaho, USA
Session 3: Drivers of seedling establishment in the field, prediction of early performance
11:15-12:15. Oral communications
  • Effects of planting date and container volume in relation to site and year on survival and height of planted conifers and broadleaves. Palle Madsen, University of Copenhagen, Denmark.
  • A half-century of harvest, site preparation, and reforestation practices result in successful regeneration in Interior Alaska boreal forest. Miho Morimoto, University of Alaska, Alaska, USA.
  • Slow passive restoration triggered by planted woodland islets in Mediterranean abandoned farmland. José M. Rey Benayas, University of Alcala, Spain.
  • Practical aspects of establishing hybrid chestnut plantings in northeastern American forests. Cornelia (Leila) C. Pinchot, USDA Forest Service, Ohio, USA.

12:15-13:00 Lunch
13:00-18:00 FIELD TRIP (Shuttles return to hotels by 18:20)

Thursday 16th October 2014
(Shuttle departs at 07:00 from Hilton Garden Inn to Holiday Inn)
7:00-8:00. Continental Breakfast
Session 4: Site preparation for restoration: effects of site microclimate and subsequent plant response under harsh conditions
Moderator: Andreas Bolte, Johann Heinrich von Thünen-Institute, Germany
8:00-8:30. Keynote speaker: Better together or apart? The role of plant-plant interactions and spatial pattern in forest restoration. Susana Bautista, University of Alicante, Spain.
8:30-10:00. Oral communications
  • Can first year measurements predict longer-term success of trees planted on minesites in the eastern US? Jennifer Franklin, University of Tennessee, Tennessee, USA.
  • Application of technologies to improve Nothofagus pumilio restoration in Chilean Patagonia. Eduardo Arellano, Pontificia Universidad Católica de Chile, Chile.
  • Effective site preparation accelerates Acacia koa canopy closure. Anthony S. Davis, University of Idaho, Idaho, USA.
  • Establishing holm oak under Mediterranean semiarid conditions: Sowing versus planting under a gradient of shelter light transmission and planting depth. Juan A. Oliet, Universidad Politécnica de Madrid, Spain.
  • Using mulch to improve soil water conservation and infiltration for semiarid and dry restoration planting. Maria Noelia Jimenez, Institute of Agricultural Research and Training: Andalusian Government, Spain (presenter: Jeremy Pinto).
  • Short-term growth response of underplanted Nothofagus seedlings in high-graded forests in the Andes of south-central Chile. Pablo Jorge Donoso, Universidad Austral de Chile, Chile.
10:00-11:00. Coffee break and poster session #1 (Even poster numbers will present)
Moderator: Jerry van Sambeek, USDA Forest Service, Missouri, USA

11:00-12:15. Oral communications
- A new device to foster oak forest restoration via seed sowing. **Jorge Castro**, University of Granada, Spain.
- Microsite factors affecting establishment and growth of planted tree seedlings in floodplains impacted by emerald ash borer. **Kathleen Knight**, USDA Forest Service, Ohio, USA.
- Mine spoil type influences growth of planted hardwoods and naturally colonizing understory vegetation on experimental reforestation plots in Pike County, Kentucky. **Kenton L. Sena**, University of Kentucky, Kentucky, USA.
- Biochar: Promise and challenges for forest restoration. **Sean C. Thomas**, University of Toronto, Canada.
- Does increase of structural heterogeneity in the forest understory by artificial shelters improve effective acorn dispersal in Mediterranean savannah-like forest ecosystems? **María-José Leiva**, University of Seville, Spain.

12:15-13:15. Lunch

Session 5: The role of genetics in producing resilient ecosystems
Moderator: Charles Michler, USDA Forest Service, Indiana USA

13:15-13:45. Keynote speaker: Science at the speed of need: A new model for modern biotechnology to address forest health needs. **Carlton Owen**, U.S. Endowment for Forestry and Communities, USA.

13:45-14:45. Oral communications
- Genetic consideration in defining successful forest restoration. **Michele Bozzano**, Bioversity International, Italy.
- Considerations for restoring tomorrow’s forests. **R. Kasten Dumroese**, USDA Forest Service, Idaho, USA.
- Testing scenarios for assisted migration of forest trees in Europe. **Marta Benito Garzon**, CNRS, France.
- Drought-tolerance of European beech seedlings throughout Europe. **Andreas Bolte**, Johann Heinrich von Thünen Institute, Germany.

14:45-15:45. Coffee break and poster session #2 (Odd poster numbers will present)
Moderator: Palle Madsen, University of Copenhagen, Denmark

15:45-16:15. Keynote speaker: Assisted migration and forest restoration under climate change: golden opportunity or fool’s gold? **John Pedlar**, Great Lakes Forestry Centre, Ontario, Canada

16:15-17:00 Oral communications and final conclusions
- Predicted changes in aboveground allometry in four pine species in response to climate change: Implications in restoring forests. **Natalia Vizcaíno Palomar**, Forest Research Centre (INIA), Spain.
- Intraspecific variation in susceptibility to emerald ash borer: a restoration strategy for North American ash. **Jennifer Koch**, USDA Forest Service, Ohio, USA.
- Genetic mapping of resistance to root rot disease (caused by Phytophthora cinnamomi) for American chestnut restoration in the southeastern United States. **Tetyana Zhebentyayeva**, Clemson University, South Carolina, USA (presenter: **Bert Abbott**).

(Shuttle departs at 17:10 from Holiday Inn to Hilton Garden Inn)

18:30-21:00 Gala Dinner at Adelino’s banquet hall, 112 N 3rd Street, Lafayette. Transportation on your own, .75 km from Hilton Garden Inn, .4 km from Holiday Inn.