



13th International Christmas Tree Research and Extension Conference, Iceland

Program

	Sunday Sept. 3	Monday Sept. 4	Tuesday Sept. 5	Wednesday Sept. 6	Thursday Sept. 7	Friday Sept. 8
7.00		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8.30		Presentations	Presentations	Field tour	Presentations	Presentations Business meeting
12.00		Lunch	Lunch	8.30-21.00	Lunch	Lunch
13.00		Presentations	Presentations		Presentations	Departure
14.00		Field tour			Field tour	
17.00	Arrival	14.00-18.30	Poster session		14.30-18.30	
19.00	Dinner					
19.30		Dinner	Dinner		Banquet	

Sunday 3 September

18.00 - Registration and poster setup

19.00 - Welcome reception/dinner



Monday 4 September

9.00 OPENING SESSION

Opening of the Conference. Gary Chastagner, Chairman of IUFRO
Christmas tree working group

Forest Research activity in Iceland. Edda S. Oddsdóttir, Director of
Icelandic Forest Research

9.40 Break

SESSION 1: Growth conditions

10.00 Coning and shoot growth response of Fraser fir trees to paclobutrazol
application Bert Cregg

10.30 Somatic embryogenesis in Fraser fir (*Abies fraseri*): optimizing levels of
abscisic acid, polyethylene glycol and maltose for maturation. Robert
Thomas, Lilian Matallana, and John Frampton

11.00 SE fluidics system for plant production. Ulrika Egertsdotter and Cyrus
Aidun

11.30 Evaluating nitrogen sources and using drones in Christmas tree
production. Jill O'Donnell

12.00 Lunch

12.45 Magnesium deficiency and foliar fertilization in *Abies nordmanniana*.
Rune Vesterager Asmussen

13.15 Effect of different cultivation practises on the survival and growth of
Icelandic Christmas trees in the early growth stage on agricultural
fields. Else Møller

SESSION 2: Market

13.40 Christmas tree market in Iceland. Jón Ásgeir Jónsson

14.00 Field tour - Eyjafjörður area: Christmas tree grower (Reykhús),
Refreshments at Kjarnaskógur recreation forest (Skógræktarfélag
Eyfirðinga). Nursery - Christmas tree market (Sóluskógar)

19.30 Dinner at Hotel Natur

Tuesday 5 September

SESSION 2: Market (continuing)

8.30 A Study on Expansion of Christmas Tree Demand in Korea Utilizing Big Data. Hyun Deok Seok

SESSION 3: Tree health (pests)

9.00 Web blight on Christmas trees in the U.S. Pacific Northwest. Gary Chastagner and Chal Landgren

9.30 Diseases, pests and nutrient deficiencies on Swedish Christmas trees. Martin Pettersson, John Frampton, Jonas Rönnerberg, Venche Talgø

10.00 Break

10.30 Heterobasidion root rot predisposing noble fir to *Cryphalus* bark beetle attack. Justesen, Mathias Just Justesen, Iben Margrete Thomsen and Hans Peter Ravn

11.00 Evaluating "softer" insecticides for aphid control in Oregon, USA. Chal Landgren, and Judy Kowalski

11.30 Rapid and reliable detection of three *Neonectria* species occurring in conifer and deciduous trees. Martin Pettersson, Venche Talgø, Jorunn Børve, Arne Stensvand, John Frampton, Jonas Rönnerberg and May Bente Brurberg

12.00 Lunch

13.00 Species variation in susceptibility to the fungus *Neonectria neomacrospora* within the genus *Abies* - Danish experiments. Ulrik Braüner Nielsen, Jing Xu, Knud Nor Nielsen, Ole Kim Hansen, Venche Talgø and Iben Margrete Thomsen

13.30 Inoculation of young Norway spruce rooted cuttings with *Neonectria fuckeliana*. Martin Pettersson, John Frampton, Venche Talgø, Bo Karlsson, and Jonas Rönnerberg, Jonas

14.00 Family Variation in Resistance to *Phytophthora* root rot in Eastern White Pine. John Frampton, Martin Pettersson and Anne Margaret Braham

14.30 Break

15.00 Fantastic bugs and where to find them: the biology of chalcid seed predation. Lilian Matallana, Kelly Goode, Mathew Bertone, Robert Jetton and John Frampton

- 15.30 Interactions Between Root Rotting *Phytophthora*, *Abies*, and Environment. Katie M. McKeever and Gary Chastagner
- 16.00 Coffee**
- 17.00 POSTER SESSION**
- 19.30 Dinner at Hotel Natur**

Wednesday 6 September

- 8.30-21.00 Field tour - Mývatn area: Hólasandur, Lake Mývatn, Dimmuborgir (lava field), Mývatn Naturebaths, Námaskarð (hot springs area) Krafla (geothermal power plant). A tourist tour mixed with information about afforestation in eroded areas

Thursday 7 September

SESSION 4: Postharvest

- 8.30 Effect of postharvest exposure to exogenous ethylene on needle loss from Christmas trees in the U.S. Pacific Northwest. Gary Chastagner, Annie DeBauw and David McLoughlin
- 9.00 Variation in the quality and keepability of wreaths made from noble fir boughs from low vs. high elevation sites in the U.S. Pacific Northwest. Gary Chastagner and Marianne Elliott
- 9.30 Christmas tree needle separation: A marriage that ends on the carpet. Lilian Matallana, Kelly Goode, Marcela Rojas-Pierce, Katie Coats, Gary Chastagner, John Frampton and Ross Whetten
- 10.00 Break**
- 10.30 Postharvest Christmas tree research in NC. Jeffrey H. Owen
- 11.00 Postharvest Characteristics of Summer-cut *Abies procera* and *Abies nordmanniana* Christmas trees in Dependence of Watering Treatments. Lawrence Ranson

SESSION 5: Breeding and genetic

- 11.30 Fraser fir cone control update. Jeffrey H. Owen
- 12.00 Lunch**

- 13.00 Evaluation of cone control options in Fraser fir plantations. [Dana Ellison](#)
- 13.30 Provenance variation in phenology and frost tolerance in subalpine fir (*Abies lasiocarpa*) planted in Denmark and Iceland. [Brynjar Skulason](#), Ole Kim Hansen, Ulrik Bräuner Nielsen
- 14.00 Seasonal development of cold hardiness and needle retention in Christmas tree plantations in Michigan. [Bert Cregg](#)
- 14.30 Field tour - Vaglir NF: Seed orchard in greenhouse, Natural birch forest, Icelandic forest service activity in Vaglir NF, for example Christmas tree production
- 19.30 Banquet at Hotel Natur**

Friday 8 September

SESSION 5: Breeding and genetic (continuing)

- 8.30 Ensuring Christmas tree seed supply through new seed orchard development in the Pacific Northwest, USA. Judy Kowalski and Chal Landgren
- 9.00 Nordmann fir seed orchards - are they improved? [Ulrik Bräuner Nielsen](#)
- 9.30 Break**
- 10.00 Business meeting
- 12.00 Lunch**
- 13.00 Departure



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