

## BaltDendro 2016

4th International Conference of Dendrochronologists and Dendroecologists from the Baltic Sea Region

August 22-25, 2016

### Program

#### Monday, August 22

16:00 19:00 Arrival and registration  
19:00 23:00 DINNER

#### Tuesday, August 23

**08:00 08:30 Registration and COFFEE/BREAKFAST**

08:30 09:00 **Opening keynote**

*Didzis Elferts* - Head of the board of Latvian Dendroecologist Society

*Jurģis Jansons* - Director of Latvian State Forest Research Institute "Silava"

*Edgars Neilands* - Head of the board of Society of Annas Tree School

09:00 09:45 *Igor Drobyshev* - Swedish University of Agricultural Sciences

**Keynote** - Atlantic sea surface temperatures and forest fire activity of Northern Scandinavia

Chair

**Āris Jansons**

09:45 10:00 *Māra Zadiņa, Jānis Donis, Līga Puriņa, Jānis Jansons, Āris Jansons*  
Influence of meteorological conditions on fine fuel moisture content

10:00 10:15 *Jānis Donis, Guntars Šņepsts, Raimonds Šēnhofs, Leonids Zdors*  
The impact of forest fire on growth of the survived Scots pine trees

**10:15 10:30 COFFEE BREAK**

10:30 10:45 *Roberts Čakšs, Oskars Krišāns, Juris Katrevičs, Āris Jansons*

Frost hardiness of young coniferous trees grown in different meteorological conditions

Chair

**Roberts Matisons**

10:45 11:00 *Una Neimane, Annija Grava, Silva Šēnhofa, Dagnija Lazdiņa, Āris Jansons*  
Juvenile growth and frost hardiness of young *Populus* clones in Latvia

11:00 11:15 *Silva Šēnhofa, Mārtiņš Zeps, Arnis Gailis, Āris Jansons*  
Development of stem cracks in young hybrid aspen plantations

11:15 11:30 *Pauls Zeltiņš, Juris Katrevičs, Arnis Gailis, Tiit Maaten, Āris Jansons*  
Norway spruce stem cracks

**11:30 12:30 LUNCH**

12:30 12:45 *Petter Öhrn* - Swedish University of Agricultural Sciences

**Keynote** - Changes in phenology of bark beetles in response to climate change

Chair

**Guntis Brūmelis**

13:45 14:00 *Ingars Siliņš, Agnis Šmits, Āris Jansons*  
Prognosis of mass outbreaks of the most significant forest pests in Latvia

14:00 14:15 *Liina Jürisoo*  
Spread of Dutch elm disease in Estonia

14:15 14:30 *Āris Jansons, Una Neimane*  
Long-term influence of needle disease on productivity of young Scots pine

**14:30 14:45 COFFEE BREAK**

14:45 15:00 *Juris Rieksts-Riekstiņš, Juris Katrevičs, Roberts Čakšs, Rolands Kāpostiņš, Āris Jansons*  
Influence of climatic changes on Norway spruce productivity in Latvia

Chair

**Didzis Elferts**

15:00 15:15 *Roberts Matisons, Līga Puriņa, Linda Robalte, Āris Jansons*  
Climatic factors affecting radial growth of *Fagus sylvatica* in Latvia

15:15 15:30 *Sandra Vijar, Kristina Sohar, Ain Kull, Alar Läänelaid*  
Temporal and spatial patterns of tree growth in drainage-affected peat bogs

**15:30 15:45 COFFEE BREAK**

15:45 16:00 *Maxim Yermokhin, Valyantina Mychko, Natallia Knysh, Tatyana Barsukova*  
The impact of climate and drainage on the state of the population of Silver fir (*Abies alba* Mill.) in Belovezhskaya Pushcha

16:00 16:15 *Natallia Knysh, Maxim Yermokhin*  
Abrupt growth change as an indicator of antropogenic disturbances of old-growth oak forest in Belarus

**16:15**      **17:15**      **Poster session and COFFEE**

*Andis Lazdiņš, Ainārs Lupiķis, Aldis Butlers, Arta Bārdule, Dana Purviņa, Endijs Bāders*  
 Estimation of carbon stock changes in dead wood in forest land using decomposition factors

*Ainārs Lupiķis, Gints Lanka, Aldis Butlers, Andis Lazdiņš, Arta Bārdule*  
 Decomposition of woody biomass in Latvian forests in a changing climate modelled by Yasso soil carbon model

*Marija Tamkevičiūtė, Rūtilė Pukienė, Julius Taminskas, Johannes Edvardsson*  
 Scots pine (*Pinus sylvestris* L.) as a proxy for hydrological variability in peatlands: case study from Čepkeliai raised bog, south Lithuania

*Marija Tamkevičiūtė, Rūtilė Pukienė, Johannes Edvardsson*  
 Scots pine as a proxy for meteorological variables: a case study of Čepkeliai raised bog, south Lithuania

*Dagnija Lazdiņa, Toms Sarkanābols, Ieva Bebre*  
 Boost of radial increment of hybrid aspen by different fertilizers

*Valts Vīndedzis, Rolands Kāpostiņš, Mārtiņš Puriņš, Āris Jansons*  
 Browsing damages in young lodgepole pine plantations in Latvia

*Kaspars Polmanis, Anita Baumannē, Imants Baumanis, Solveiga Luguza*  
 Impact of *Lophodermium* spp. on survival and increment of Scots pine

**17:15**      **18:15**      *Didzis Elferts*  
**Practical demonstration** - Use of program R for analysis of tree-ring data

**19:00**      **23:00**      **DINNER, Evening programme, sauna**

**Wednesday, August 24**

08:30      09:00      **Registration and COFFEE/BREAKFAST**

09:00      09:15      *Sandra Metslaid, Maris Hordo, Andres Kiviste*      Chair  
 Spatio-temporal variability in Scots pine (*Pinus sylvestris* L.) response to weather fluctuations in Estonia      **Kristina Sohar**

09:15      09:30      *Adomas Vitas, Māris Zunde*  
 Sapwood rings estimation of Scots pine in Lithuania and Latvia: preliminary results

09:30      09:45      *Māris Zunde*  
 Sapwood rings estimation of historical Scots pine wood in Latvia: preliminary results

09:45      10:00      *Oskars Krišāns, Līga Puriņa, Rolands Kāpostiņš, Āris Jansons*  
 Intra annual changes of intensity of radial growth of European beech (*Fagus sylvatica* L.) in western Latvia

10:00      10:30      **COFFEE BREAK**

10:30      10:45      *Līga Puriņa, Ilze Pušpure, Baiba Džeriņa, Āris Jansons*      Chair  
 Regeneration of *Fagus sylvatica* at the edge of its northern distribution limits      **Adomas Vitas**

10:45      11:00      *Arnīs Gailis, Imants Baumanis, Āris Jansons*  
 Regeneration: regional differences in quality of Silver birch

11:15      11:30      *Baiba Džeriņa, Sigītas Girdziušas, Dagnija Lazdiņa, Āris Jansons*  
 Influence of soil preparation method on cost of forest regeneration

11:45      12:00      *Jānis Švirksts, Āris Jansons*  
 Influence of forest certification on the performance of forest management enterprise

**12:00**      **13:00**      **LUNCH**

13:00      13:15      *Oskars Krišāns, Juris Rieksts-Riekstiņš, Edgars Neilands, Āris Jansons*  
 Effect of summer transplantation on radial sap flow pattern of juvenile pedunculate oak

13:15      13:30      *Labie Koki Ltd.*  
 Designing a protection of trees in historical parks during a construction works: case study of Latvian National Museum of Art

**13:30**      **14:00**      **Closing and COFFEE**

**14:00**      **18:00**      **Excursion and DINNER**

**Thursday, August 25**

08:00      10:00      BREAKFAST and departure