

SilvaNet – WoodNet 2021 – schedule

SilvaNet – Forest Protection, Wildlife Management, Forest Phytology, Forest Ecology sections

- 9:00 Opening of the conference, instructions
- 9:10 Miloš Trifkovič – The effectivity of microinjection as method of individual tree protection
- 9:25 Pavel Horák – The comparison of climate-growth relationships between generative and coppiced *Quercus petraea* trees
- 9:40 Tomáš Májek – Co-inoculation effects of A1 and A2 mating types of *Phytophthora* × *cambivora* and *P. cinnamomi* on *Castanea sativa*
- 9:55 Milica Raco – Study of viruses in *Phytophthora heveae*
- 10:10 László Benedek Dályá – Czech populations of Heterobasidion harbor taxonomically diverse single-stranded RNA viruses
- 10:25 Petra Pantová – Dynamics of changes in the soil environment due to drought stress at fertile sites of lower altitudes
- 10:40 Lucie Frejlichová – Identification and characterization of trunk pathogens on oak seedlings in forest nurseries using NGS sequencing of DNA
- 10:55 Henrieta Ďatková – Investigations for the Scientific Description of New Nothophytophthora Species
- 11:10 Break
- 11:25 Lucia Petrovičová – Young spruce root biomass allocation in controlled conditions
- 11:40 Janko Arsić – Ecophysiological response of *Picea abies* (L.) seedlings to elevated CO₂ concentration

- 11:55 Soham Basu – Influence of floodplain forest management on soil microbial activity
- 12:10 Soham Basu – Ecological response of English oak to different water stress levels in South Moravian floodplain forests
- 12:25 Alena Klimešová – Effect of soil improvement treatment to the tree vitality
- 12:40 Tomáš Hamřík – Impact of selective logging and ecological restoration on biodiversity of spiders and their functions in tropical forests of southeast Asia – updates on ongoing project

SilvaNet – Landscaping and Landscape Conservation, Renewable Resources Economics and Management, Forest Management, Silviculture, Applied Geoinformatics and Geodesy sections

- 9:00 Opening of the conference, instructions
- 9:10 Martin Kománek – The influence of historical and modern forest managements on the condition of coppice – results in 2021
- 9:25 Markéta Kupská – Evaluation of ecological stability in rural landscape
- 9:40 Nikola Žižlavská – Monitoring of bark beetle infestation using multitemporal regression in spectral time series acquired by UAV
- 9:55 Ondřej Hemr – Seasonal changes in soil electrical resistance as affected by the pit-mound microrelief in two young stands of Norway spruce
- 10:10 Martin Kománek – LiDAR-assisted statistical forest inventory
- 10:25 Ján Melich – The effect of elevated concentration of CO₂ on Norway spruce biomass in different types of mixture with European beech
- 10:40 Kateřina Sedláčková – An example of application of geotechnical analyses in landscape management
- 10:55 Ondřej Hemr – Low-cost shoreline erosion mitigation measures as verified by wave hindcasting: Hulín gravel pit case study

11:10 Break

11:25 Martin Kománek – Does sample plot size affect variance of biometric parameters and gini index estimates?

11:40 Petr Čech – The volume of abraded banks as affected by different soils (case study Zaječí)

11:55 Ondřej Fidler, Štěpán Neubauer – Dieback environment from the forest soil perspective – 1st year project report

12:10 Kateřina Sedláčková – The grain size distribution curve as a means of estimating the effectiveness of abrasion mitigation measures

WoodNet – Wood Science and related technical disciplines

9:00 Opening of the conference, instructions

9:10 Viktor Pluháček – First results of experimental module

9:25 Jiří Procházka – Analysis of cutting forces from point of view fracture mechanics in quasi-orthogonal CNC milling and cutting by circular saw-blade Part III

9:40 Petr Zatloukal – Shear behaviour of oak wood (*Quercus L.*) under different moisture conditions

9:55 Irena Sochová – Compilation of historical oak tree-ring chronology for southwestern Ukraine

10:10 Matěj Obdržálek – Design of a furniture growing element using hemp concrete

10:25 Dimitrios Tsalagkas – A six-year xylogenesis analysis of mature Norway spruce trees at Brno surroundings (South Moravia region)

10:40 Anna Oberle – Enzymatic cleavage of tannin to obtain valuable catechin-type substances

