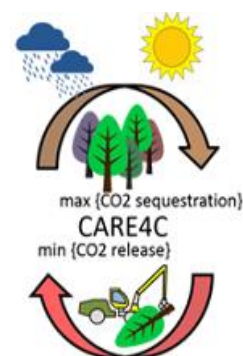


Forests in Science, Practice and Education

Conference on the centenary of the Faculty of Forestry, Warsaw University of Life Sciences – SGGW
18-19 June, 2019

PROGRAM



State Forests
FOR FOREST, FOR PEOPLE



MINISTRY
OF THE ENVIRONMENT



HONORARY PATRONAGE

Henryk Kowalczyk - Minister of Environment

Wiesław Bielawski - Rector of the Warsaw University of Life Sciences – SGGW

Andrzej Konieczny - General Director of the State Forests, National Forest Holding

<http://100years.wl.sggw.pl>

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GENERAL PROGRAM

Tuesday, 18 June

12:00-13:00 Opening ceremony

building #9, Aula Kryształowa

Andrzej Konieczny *The State Forests in the face of climate change*

Stanisław Drozdowski *Faculty of Forestry in Warsaw: past, present and future*

13:00-14:30 Lunch

building #38, Limba dormitory canteen

14:30-16:00 Plenary session (chairman: prof. Piotr Paschalis-Jakubowicz)

building #34, aula II

Eduardo Rojas-Briales *The future of forest education in light of present forest and societal challenges*

Marcus Lindner *Enhancing the resilience of European forests under climate change*

John A. Parrotta *Interconnecting forests, science and people: the importance of forest science and education for a more sustainable world*

16:00-16:30 Coffee break and poster session

building #34, 1st floor hall

16:30-18:10 Parallel sessions I/II

building #34, aulas I and II

20:30-22:30 Gala Dinner

Old Town of Warsaw, Piwna Kompania (Podwale str. 25) – informal dress code recommended

Wednesday, 19 June

09:00/09:00/08:30-11:00 Parallel sessions III/IV/Va

building #34, rooms 1/83 and 1/86, and aula I

11:00-11:30 Coffee break and poster session

building #34, 1st floor hall

11:30-13:30 Parallel sessions Vb/VI

building #34, aula I and room 1/86

13:40-14:00 Conference closing

building #34, aula I

14:00-15:30 Lunch

building #38, Limba dormitory canteen

PARALLEL SESSION I

Forests use and engineering – challenges and society expectations

Aula I, chairman: prof. Piotr Paschalis-Jakubowicz

- 16:30-16:50** C.J. Cieszewski, R.C. Lowe
Evolution of online developments for dissemination of large-area forest inventory information
- 16:50-17:10** J. Kikulski
Forest operations versus recreational forest utilization
- 17:10-17:30** J. Oktaba, D. Zastocki, H. Lachowicz, P. Staniszewski
Analysis of the functioning of the forest management certification system according to PEFC in Poland
- 17:30-17:50** J. Skłodowski, M. Sławski
Message from natural disturbance to forest use

PARALLEL SESSION II

Perspectives in forest education

Aula II, chairman: dr John A. Parrotta

- 16:30-16:50** E.K. Zenner
The "Liberal Arts" Forester: A Cautionary Tale
- 16:50-17:10** M. Sławski, M. Sławska
Digital media – a chance or blind alley of education?
- 17:10-17:30** B. Izlar, J.P. Siry
Forest Business Management Education and International Activities at the University of Georgia Harley Langdale, Jr. Center for Forest Business
- 17:30-17:50** E. Linkevičius, E. Petrauskas
Present and future challenges in Lithuania - threats and possibilities for forest management and forest science and education sectors
- 17:50-18:10** A. Wierzbicka, M. Krokowska-Paluszak, F. Tomala
Forest education in Poland reality versus demand

PARALLEL SESSION III

Prospects of forest and biomass modeling

room 1/83, chairman: prof. Michał Zasada

- 09:00-09:20** C.J. Cieszewski, M. Strub
Self-referencing models based on nonlinear-fixed-effects versus nonlinear-mixed-effects modeling approaches
- 09:20-09:40** K. Bronisz, L. Mehtätalo
Height-Diameter modelling for young silver birch stands on post-agricultural lands in central Poland
- 09:40-10:00** C. Beker, M. Turski, K. Kaźmierczak, T. Najgrakowski
*Size and efficiency of Scots pine (*Pinus sylvestris*) assimilation apparatus*
- 10:00-10:20** M. Turski, C. Beker, R. Jaszczak, A. Szymański
Impact of the forest habitat type on the size and mass of needles falling during the year in 30-year-old pine stands
- 10:20-10:40** V. Blyshchyk, Sz. Bijak
Above-ground biomass of the broadleaved species in Ukrainian Polissia
- 10:40-11:00** R. Wojtan, Sz. Bijak, A. Bronisz, K. Bronisz, R. Tomusiak, M. Zasada
*Empirical equations for the determination of form factors for black locust (*Robinia pseudoacacia* L.)*

PARALLEL SESSION IV

Forest products and services – planning and implementation

room 1/86, chairman: dr hab. Paweł Staniszewski

- 09:00-09:20** K. Stereńczak
Use of remote sensing in the inventory and monitoring of the forest environment
- 09:20-09:40** J. Fialová, P. Kotásková, D. Březina, J. Michálek
What do people think they need from the forest?
- 09:40-10:00** R. Wójcik, W. Kędziora, K. Szyc
Impact of historical changes of spruce occurrence in Białowieża Primeval Forest on forest regulation
- 10:00-10:20** S. Kopeć, M. Bilek, J. Oktaba, P. Staniszewski
Silver birch sap use in Poland – perspectives and research problems
- 10:20-10:40** A. Coly, A. Badji, A. Sambou
Local people's perceptions of forest and trees ecosystem services: case of Kalounaye managed forest

PARALLEL SESSION V

Silvicultural concepts across diverse climate zones and their implications for stand structure and dynamics

Aula I, chairmen: dr Eric K. Zenner, dr Marcus Lindner

- 08:30-08:40** K. Bielak, E. Uhl
Opening and introduction to CARE4C
- 08:40-09:00** M. del Río
Mediterranean silviculture: constraints and challenges
- 09:00-09:20** J. Olivar, T. Sánchez, S. Martín, J.L. Tomé, J.A. Navarro, A. Fernández-Landa
ForestCO2: monitoring of carbon sinks in Pinus halepensis stands in the Region of Murcia (Spain)
- 09:20-09:40** M. A. al Pavel, E. Rodríguez-García, C. Ordóñez Alonso, F. Bravo Oviedo
Modeling the effect of climate on biomass, growth, and survival on the early establishment of Pinus pinaster reforestation
- 09:40-10:10** B. du Toit
Forest plantation silviculture in warm, seasonally dry climates and the risks posed by climate change
- 10:10-10:30** M. Jacobs, S. Uzquiano, H. Pretzsch, F. Bravo
Analysis of density and mixture effects on the allometry of pine-trees by TLS
- 10:30-10:50** M. Aleksandrowicz-Trzcińska, S. Drozdowski, Z. Wołczyk, K. Bielak, H. Żybura
Effects of reforestation and site preparation methods on early growth and survival of Scots pine in SE Poland
- 11:30-11:50** G. Tonon, F. Giammarchi
Protection forestry in the Alpine mountain region
- 11:50-12:10** J.J. Gorgoso-Varela, R. Alonso-Ponce, F. Rodríguez-Puerta, I. Lizarralde
Application of the BDq method to complex structures of natural mixed forests in Asturias (Northern Spain)
- 12:10-12:30** E.K. Zenner, J.E. Peck
Is there a matrix structure that transcends beech forest development stages?
- 12:30-12:45** T. Kurek, J. Todys
Silvicultural and protection management in beech stands damaged by red deer on the example of Polanów F.D.
- 12:45-13:05** K. Bielak, S. Drozdowski
Close-to-nature silviculture in the European Boreal Forests: adaptation and mitigation strategies under climate change
- 13:05-13:25** R. Paluch, K.A. Gabrysiak
Long-term dynamics of protected forests as a contribution to development of close to nature silviculture (NE Poland)
- 13:25-13:30** E.K. Zenner, M. Lindner
Session summary

PARALLEL SESSION VI

Biodiversity and conservation in forest ecosystems

room 1/86, chairman: dr hab. Marek Sławski

- 11:30-11:50** T. Malewski, B. Brzezińska, T. Oszako
Transmission of Phytophthora by avian vectors in Poland
- 11:50-12:10** P.T. Zaniewski, A. Obidziński, W. Ciurzycki, K. Marciszewska
Past disturbance – present diversity. How the coexistence of a few forest communities, including two forest Natura 2000 habitat is possible within one patch of a homogeneous geological substrate?
- 12:10-12:30** W.B. Żukowska, B. Wójkiewicz, W. Wachowiak, A. Lewandowski
Use of genetic markers in forest management and tree breeding
- 12:30-12:50** B. Wójkiewicz, W.B. Żukowska, W. Wachowiak, A. Lewandowski
Comparison of the regeneration capacity of natural black poplar populations from different river valleys in Poland
- 12:50-13:10** K. Jasińska, R. Rea, K. Child, D.A. Aitken
Weather conditions, the availability of light, and moon phases - what influence moose-train collisions in British Columbia?
- 13:10-13:30** K.A. Gabrysiak, R. Paluch
Long-term compositional dynamics of close to natural pine forest in the Białowieża, Knyszyn and Augustów Forests (NE Poland)

POSTER SESSION

1st floor hall

organised together with coffee breaks

- M. Bilek, M. Olszewski, P. Wityk, P. Staniszewski
Proteins of birch tree sap
- L. Bolibok, R. Wojtan, R. Tomusiak
How overstocking influences the spatial autocorrelation of tree biometric features in Norway spruce stands?
- C.J. Cieszewski, P. Bettinger, R.C. Lowe, S. Obata
Experimental design and multi-source data fusion
- A. Gamdzyk, P.T. Zaniewski
*Dynamic tendencies of pine forests underplanted with European beech (*Fagus sylvatica* L.) on the border of its range*
- E. Jancewicz
Non-forest patches inside a dense forest: small mammals in the mid-forest clearings of the Białowieża Primeval Forest
- E. Kielan, P. Zegadło, M. Kołakowski, E. Jancewicz
Factors impacting area usage by bank voles – coarse woody debris and forest undergrowth phytocenosis
- M. Kormanek, J. Drożdżiak
Analysis of work efficiency in the process of logging timber by the LKT 81 Standard
- B. Mussayeva, T. Mokrzycki, A. Byk
*Saproxyllic beetles of Scots pine *Pinus sylvestris* L. in the north-eastern Kazakhstan*
- J.A. Nowakowska, M. Stocki, N. Stocka, N. Keča, A. Żółciak, M. Tulik, T. Oszako
*Impact of defoliation on birch (*Betula pendula* Roth) secondary metabolites response and interactions with *P. cactorum* and *A. gallica* infections*
- A. Obidziński, J. Raczek, J. Smyk, L. Witkowska-Żuk, P.T. Zaniewski, W. Ciurzycki, K. Marciszewska
Changes in the flora of forest tourist paths in the Słowiński National Park within years 1985-2018
- T. Oszako, M. Nowaszewski, M. Tulik, J.A. Nowakowska
*Protection of oak stands against *Phytophthora* diseases by using phosphites on the example of the Krotoszyn Forest District*
- J. Piętka, A. Gendek, J. Malaták, J. Velebil, T. Moskalik
*Effects of selected white-rot fungi on the calorific value of beech wood (*Fagus sylvatica* L.)*

POSTER SESSION - continued

1st floor hall

organised together with coffee breaks

R. Ruiz-Peinado, M. Heym, K. Bielak, I. Barbeito, G. Brazaitis, A. Granhus, S.-O. Holm, A. Jansons, M. Löff, M. Metslaid, A. Nothdurft, R. Sitko, M. del Río, H. Pretzsch

First results for the mixing effect of Scots pine and Norway spruce on productivity

J. Sagan, K. Brzeski, R. Tomusiak

The comparison of nonlinear functions approximating diameter-height relationship in Douglas fir stands

M. Sławska, M. Sławski

Seven decades of spontaneous forest regeneration after large-scale clear-cutting in Białowieża Forest do not ensure the complete recovery of soil collembolan communities

A. Sołtys, M. Studnicki, G. Zawadzki, M. Aleksandrowicz-Trzcicka

Effects of using biostimulants and phytohormones to protect Scots pine against pathogens

A. Sołtys, G. Zawadzki

Possibility of using fungi in forest education

A. Szczepkowski, K. Marciszewska, A. Otręba, P.T. Zaniewski

*Wood colonizing macrofungi on black cherry *Prunus serotina* Ehrh. subject to mechanical eradication in Kampinos National Park*

P. Tylek, J. Walczyk, J.M. Sowa, G. Szewczyk, M. Pietrzykowski, T. Juliszewski, P. Kielbasa, R. Tadeusiewicz, J. Szczepaniak, F. Adamczyk, R. Misiak, M. Bambrowicz

Mobile robot for forest regeneration tasks and the afforestation of former agricultural and reclaimed areas

G. Zawadzki, D. Zawadzka, A. Sołtys

Choice of nesting trees by the black woodpecker - does the forest management affect his habitat preferences?

G. Zawadzki, D. Zawadzka, A. Sołtys

Distribution of the Black Woodpecker in Augustów Forest

A. Żółciak, J.A. Nowakowska, M. Stocki, N. Stocka, N. Keča, M. Tulik, T. Malewski, D. Voitka, T. Oszako

*Influence of *Bacillus subtilis* and *Trichoderma asperellum* on the development of birch seedlings infected with *Phytophthora plurivora**