

# WOOD – SCIENCE – ECONOMY

## 2<sup>nd</sup> International Scientific Conference

16-17 October 2017, Poznan, Poland  
[www.wood-science-economy.pl](http://www.wood-science-economy.pl)



**WOOD  
SCIENCE  
ECONOMY**

*International Scientific Conference*

# ANNOUNCEMENT No. 3



Conference date:  
**16-17.10.2017**

## AIM OF THE CONFERENCE

The aim of the conference is to internationally exchange knowledge about the latest research findings in forestry and wood science and in the related fields, as well as about the achievements and possibilities of their practical use in the forestry and wood sector and the economy. This will allow not only identification of investigation trends with the greatest potential for implementation, but also elevation of research carried out in this field to a higher level.

## ORGANIZERS

Wood Technology Institute, State Forests National Forest Holding

## TOPICS

- Increasing wood resources and their efficient use
- Innovation in the forestry and wood sector
- New technologies, lignocellulosic products, nanomaterials, biocomposites
- Use of wood for energy purposes
- Wood market – economic and social aspects
- Environmental aspects of the forestry and wood sector
- Recycling
- Furniture industry
- Paper industry
- Sawmilling industry
- Wood in construction
- Other wood-related industries

## CONFERENCE VENUE

IBB Andersia Hotel, Plac Andersa 3, 61-894 Poznan, Poland

## HONORARY PATRONAGE

Ministry of Science and Higher Education  
Ministry of Economic Development  
Ministry of the Environment

## PARTNER OF THE CONFERENCE

Marshal Office of the Wielkopolska Region in Poznan

## MEDIA PATRONAGE

Gazeta Przemysłu Drzewnego  
Głos Lasu  
Drewno.pl  
Przemysł Drzewny

## SPONSORS

STEICO CEE Sp. z o.o.  
Polska Grupa Producentów Opakowań Drewnianych EPAL  
Schattdecor Sp. z o.o.

## INFORMATION FOR THE AUTHOR

Submitted abstracts will be published in the conference materials.

On reviewing and acceptance by the Editorial Board, the articles of high scientific quality, prepared based upon papers and/or posters, will be published in the scientific journal **WOOD. Research papers. Reports. Announcements.**

### Article guidelines:

For publishing we accept articles written in English, prepared and formatted according to the instructions available at the **WOOD. Research papers. Reports. Announcements** website – [www.drewno-wood.pl](http://www.drewno-wood.pl)

### Poster guidelines:

For display we accept posters in English, B1 format (70x100cm), vertically oriented.

## ACCOMMODATION

The conference participants **book and pay for their accommodation individually.**

## CONTACT

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or through the **Contact form** available on the Conference website

***More information can be found on the Conference website [www.wood-science-economy.pl](http://www.wood-science-economy.pl)***

## GENERAL AGENDA

### **Day one (16.10.2017)**

09:00 – 09:45 Registration and refreshments

09:45 – 10:05 Welcome

10:05 – 10:30 Keynote speaker's lecture

**New solutions for the forest-based sector based on sustainability and durability in a socio-economic context, Joris Van Acker**

### **SESSION I: WOOD MARKET – ECONOMIC AND SOCIAL ASPECTS**

**(Chair: Prof. dr. ir. Joris Van Acker, Co-chair: Prof. Piotr Paschalis-Jakubowicz, PhD)**

10:30 – 10:45 **Challenges of the international forest product markets – the EU perspective, Ewa Ratajczak**

10:45 – 11:00 **Supply and demand functions for the global wood markets: Specification and plausibility testing of econometric models within the global forest sector, Christian Morland et al.**

11:11 – 11:15 **Landuse and socio-economic trends in the areas surrounding the concessions of African plantation for sustainable development (APSD) Ghana LTD in Brong Ahafo Region of Ghana, Addo Koranteng et al.**

11:15 – 11:30 **The competitiveness of Polish furniture export, Dobrochna Augustyniak and Ewa Mińska-Struzik**

11:30 – 11:45 **Marketing as a key factor in the export of Kosovo wood products in Europe, Agron Bajraktari et al.**

11:45 – 12:00 **Business-academia collaboration as exemplified by the transfer of innovative wood technology from Warsaw University of Life Sciences to the SME's sector, Marek Grzeškiewicz et al.**

12:00 – 12:15 Discussion

12:15 – 13:30 Lunch

### **SESSION II: CHALLENGES IN FORESTRY**

**(Chair: Dr. Peter Meinschmidt, Co-chair: Prof. Janusz Sowa, PhD (Eng))**

13:30 – 13:45 **Forest sector in Eastern Europe: development and perspectives, Orest Kiyko**

13:45 – 14:00 **Forestry innovation: choosing the path of development, Piotr Paschalis-Jakubowicz**

14:00 – 14:15 **On how the innovative timber production fosters sustainable development – a local case study, Francesco Carbone**

14:15 – 14:30 **Assessment of reclamation to forest profitability based on the analysis of wood harvest volume from intermediate cutting as exemplified by the dumping ground of the sulphur open-pit mine "Piaseczno" (Tarnobrzeg region), Marcin Pietrzykowski et al.**

14:30 – 14:45 **Analysis and modeling of timber storage accumulation after severe storm events in Germany, Klaus Zimmermann et al.**

14:45 – 15:00 **Intensifying management of protection forests in the Alps, Matevž Mihelič et al.**

15:00 – 15:15 **Demand for wood biomass for energy purposes – identification of present and potential sources, Janusz Czerepko and Piotr Gołos**

15:15 – 15:30 Discussion

15:30 – 15:45 Coffee break

### **SESSION III: WOOD PROPERTIES**

**(Chair: Prof. dr. Agron Bajraktari, Co-chair: Prof. Bartłomiej Mazela, PhD (Eng))**

15:45 – 16:00 **The relation between biometric features and occurrence of red heartwood in beech (*Fagus sylvatica* L.), Tomasz Kurek and Witold Pazdrowski**

16:00 – 16:15 **Variability of selected macrostructural features, density and compression strength along the grain of the "Tabórz" Scots pine wood (*Pinus sylvestris* L.), Radosław Wąsik et al.**

16:15 – 16:30 **On whether there is any effect of site fertility on beech wood density, Zbigniew Karaszewski et al.**

16:30 – 16:45 Discussion

**20:00 – 22:00 Conference dinner**

**More information can be found on the Conference website [www.wood-science-economy.pl](http://www.wood-science-economy.pl)**

## **Day two (17.10.2017)**

### **SESSION IV: WOOD PROTECTION**

**(Chair: Prof. Francesco Carbone, Co-chair: Prof. Janusz Zawadzki, PhD)**

- 09:00 – 09:15 **Changes in the properties of Scots pine heartwood during four years of exposure to underwater conditions at the archaeological site of Gdansk Bay near Orłowo**, *Hanna Wróblewska et al.*
- 09:15 – 09:30 **Waterlogged archaeological wood silanization with MTMOS**, *Joanna Siuda et al.*
- 09:30 – 09:45 **Ionic liquid fungicides: biodegradation in soil and the influence on autochthonous soil microbiota**, *Mateusz Sydow et al.*
- 09:45 – 10:00 **Materials for gap filling in wooden artefacts exposed outdoors**, *Paulina Kryg et al.*
- 10:00 – 10:15 **Silylated natural oil for wood protection**, *Ewelina Depczyńska and Bartłomiej Mazela*
- 10:15 – 10:30 Discussion
- 10:30 – 10:45 Coffee break

### **SESSION V: BIOMASS MANAGEMENT AND UTILIZATION**

**(Chair: Prof. Ján Sedliačik, Co-chair: Assc. Prof. Andrzej Fojutowski, PhD (Eng))**

- 10:45 – 11:00 **The mobile furnace for onsite carbonization: a comparison with other forestry products**, *Rodolfo Picchio et al.*
- 11:00 – 11:15 **The influence of sample's size on the results of modelling of stand growing stock volume, based on the Airborne Laser Scanning data**, *Krzysztof Stereńczak et al.*
- 11:15 – 11:30 **Wood energy consumption in private households in Germany**, *Sebastian Glasenapp*
- 11:30 – 11:45 **Heat and power plant for sawmill – technical and economic analysis**, *Aleksandra Borsukiewicz et al.*
- 11:45 – 12:00 **Lignocellulosic biomass liquefaction – an eco-bonding approach to wood-based panels**, *Dominika Janiszewska et al.*
- 12:00 – 12:15 **Recycling of balsa wood from rotor blades for the production of insulation building material**, *Peter Meinlschmidt and Claudia Burgold*
- 12:15 – 12:30 Discussion
- 12:30 – 13:30 Lunch

### **SESSION VI: ADVANCEMENTS IN WOOD SCIENCE**

**(Chair: Prof. Orest Kiyko, Co-chair: Assc. Prof. Maria Władyska-Przybylak, PhD (Eng))**

- 13:30 – 13:45 **A methodology for the assessment of compliance of the existing wood-based panels production plants with BAT requirements**, *Emília Hroncová et al.*
- 13:45 – 14:00 **Density profile and hardness of thermo-mechanically modified beech, oak and pine wood**, *Agnieszka Laskowska*
- 14:00 – 14:15 **The effect of photodegradation aging on the aesthetic features and adhesion of white lacquer coatings in UV systems on HDF substrate**, *Tomasz Krystofiak et al.*
- 14:15 – 14:30 **Thermal conductivity of wooden floors depending on applied materials and construction solutions**, *Grzegorz Pajchrowski and Andrzej Noskowiak*
- 14:30 – 14:45 **Bayesian approach to timber machinery grading**, *Tomasz Domański*
- 14:45 – 15:00 Discussion
- 15:00 – 15:15 Sponsors' presentations
- 15:15 – 15:30 Coffee break
- 15:30 – 16:15 Poster session**
- 16:15 – 16:30 Closure

**Poster exhibition is planned for the first and second day of the Conference**

**Conference language - English**

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