

## Programme

### The 11<sup>th</sup> Annual Meeting of the Wood Science and Engineering, 14-15 September 2015, Poznan, POLAND

#### Monday 14 September

8.00-8.30	Registration / coffee
8.30-9.00	Opening Ceremony of 11th Annual Meeting of the Wood Science and Engineering
9.00-9.45	<i>Local keynote</i> Effectiveness of diffusivity estimation for modeling transient bound water diffusion in wood Prof. Wiesław Olek
9.45-10.30	<i>Conference invited keynote</i> Structure and properties of activated carbon fiber preparation from wood liquefaction Prof. Zhao Guangjie
10.30-11.00	Coffee / Tea
11.00-12.30	<b>Engineered Wood Products and Composites</b> Chairman: Callum Hill
11.00-11.15	<b>QUANTIFICATION OF DISLOCATIONS IN HEMP FIBRES</b> Hernandez-Estrada A., Hughes M.
11.15-11.30	<b>PROPERTIES OF POLYPROPYLENE/SALIX VIMINALIS COMPOSITES</b> Bujnowicz K., Doczekalska B., Władyka-Przybylak M.
11.30-11.45	<b>FORMALDEHYDE FREE THERMOPLASTIC BINDERS FOR HIGHLY FILLED LIGNOCELLULOSIC PANEL BOARDS</b> Sanadi A. R.
11.45-12.00	<b>CERTAIN PROPERTIES OF HARDWOOD PAPER WITH THE ADDITION OF NANOFIBERS IN THE FORM OF PLA/P3HB COMPOSITE</b> Patelski E., Modzelewska I., Gieparda W.
12.00-12.15	<b>MACHINE GRADING OF STRUCTURAL TIMBER INTO STRENGTH CLASS C40</b> Flæte P.O., Aanerød R.S.

12.15-13.15	<b>Lunch</b>
13.15-14.20	<b>Poster session I</b> Chairman: Bartosz Pałubicki
13.15	<b>THE STUDY ON THE OPERATION OF PULSE-JET FABRIC FILTERS IN FURNITURE INDUSTRY</b> Dembiński C., Rogoziński T.
13.20	<b>THE INVESTIGATION OF MECHANICAL PROPERTIES OF GLUED HEAT-TREATED WOOD</b> Navickas P., Albrektas D.
13.25	<b>MODIFICATION OF ALDER AND POPLAR WOOD WITH FURFURYL ALCOHOL</b> Bartkowiak M., Doczekalska B.
13.30	<b>UV-FLUORESCENCE SPECTROSCOPY IN MEASURING STILBENE CONTENT</b> Harju A.M., Pulkka S., Venäläinen M.
13.35	<b>THE USE OF ORGANOSILICONE COMPOUNDS IN ARCHAEOLOGICAL WOOD CONSOLIDATION</b> Broda M., Mazela B., Siuda J.
13.40	<b>APPLICATION OF REVERSED SIZE EXCLUSION CHROMATOGRAPHY FOR THE DETERMINATION OF PORE DISTRIBUTION IN POPULUS TRICHOCARPA AND POPULUS MAXIMOWICZII</b> Szadkowski J., Radomski A., Szadkowski D., Lewandowska A., Marchwicka M., Zielenkiewicz T.
13.45	<b>THE EFFECTS OF THE BELT SANDING SPEED AND TIME AND ABRASIVE GRIT SIZE ON SURFACE ROUGHNESS</b> Kulikauskas D., Keturakis G., Baltrušaitis A.
13.50	<b>PREPARATION OF SAMPLES FROM ENZYMATIC HYDROLYSIS OF POLYSACCHARIDES FOR HPLC ANALYSIS</b> Lewandowska A., Radomski A., Szadkowski J., Szadkowska D., Marchwicka M., Archanowicz E.I., Lisiecka E., Drożdżek M.
13.55	<b>CHARACTERISTIC OF NEOLITHIC WOOD PROBLEMS WITH PROTECTION OF WOOD FROM ARCHAEOLOGICAL EXCAVATION.</b> Lisiecka E.
14.00	<b>MECHANICAL AND PHYSICAL PROPERTIES OF SILANE CROSSLINKED WOOD FLOUR REINFORCED COMPOSITES</b> Kallakas H., Shamim A.M., Poltimäe T., Süld M.T., Krumme A., Kers J.

14.05	<b>FLAMMABILITY OF WOOD TREATED WITH NATURAL OILS AND (3-AMINOPROPYL)TRIMETHOXYSILANE</b> Kowalewski P., Grześkowiak W. Ł., Mazela B., Ratajczak I.
14.10	<b>Development of a continuous wood surface densification process</b> Neyses, B., Sandberg, D.
14.15	<b>INFLUENCE OF THE HYDRO-THERMAL TREATMENT ON PHYSICAL AND MECHANICAL PROPERTIES OF BIRCH VENEER</b> Pavlovics G., Grinins J., Andersons B., Andersone I., Antons A.
14.20-15.00	<b>Coffee / Tea</b>
15.00-16.30	<b>Coatings</b> Chairman: Erik Larnøy
15.00-15.15	<b>ABOVE GROUND PERFORMANCE OF SCOTS PINE (<i>PINUS SYLVESTRIS</i> L.) SAPWOOD IMPREGNATED WITH EPOXIDISED LINSEED OIL AND METHYLTRITHOXYSILANE</b> Franke T., Terziev N., Panov D.
15.15-15.30	<b>CHANGES IN PROPERTIES OF WATERBORNE ALKYD COATING WITH INCORPORATION OF COLLOIDAL NANO SILICA</b> Nikolic M., Barsberg S., Loef D., Sanadi A.
15.30-15.45	<b>NOVEL LINSEED OIL-ALKYD EMULSION FORMULATIONS FOR WOOD COATINGS</b> Sansonettti E., Grinins J., Andersons B., Andersone I.
15.45-16.00	<b>MOISTURE AND FUNGAL PERFORMANCE OF WOOD TREATED WITH TUNG OIL</b> Žlahtič M., Lesar B., Thaler N., Serša I., Mikac U., Kržišnik D., Humar M.
16.00-16.15	<b>ACCELELRATED WEATHERING TESTS ON THERMALLY MODIFIED AND WAX-IMPREGNATED WOOD</b> Baensch F., Cordes D., Melcher E., Pfriem A.
16.15-16.30	<b>INVESTIGATIONS UPON USING OF CYANOACRYLATE ADHESIVES FOR THE EVALUATION OF THE ADHERENCE OF FOILS AND LAMINATES FOR WOOD BASED MATERIALS</b> Krystofiak, T., Lis, B., Muszyńska, M., Proszyk, S.
20.00 – 24.00	<b>Niku – Bowling / Party</b>

<b>Tuesday 15 September</b>	
<b>8.40-10.15</b>	Faculty of Wood Technology - Trip
<b>10.15-10.45</b>	<b>Coffee / Tea</b>
<b>10.45-11.45</b>	<b>Special Session: Wood – Sustainable Future</b> Chairman: Wiesław Olek, Bartłomiej Mazela
10.30-11.00	<b>NATURAL POLYMER-BASED FLAME RETARDANTS FOR WOOD AND WOOD PRODUCTS</b> Mazela, B., Broda, M.
11.00-11.15	<b>WOOD PROTECTION BY DESIGN – CONCEPTS FOR DURABLE TIMBER BRIDGES</b> Brischke C., Meyer-Veltrup L., Thelandersson S., Malo K.A.
11.15-11.30	<b>ABOVEGROUND BIOMASS PRODUCTIVITY OF ENERGY WILLOW (<i>SALIX VIMINALIS</i> L.) PLANTATIONS IN LITHUANIA</b> Šilinskas B., Škėma M.
11.30-11.45	<b>DEVELOPMENT OF A WOOD SCIENCE WORKSHOP FOR CHILDREN IN COOPERATION WITH AFTERNOON ACTIVITY SCHOOLS IN NORWAY</b> Zimmer K., Larnøy E.
<b>11.45-12.15</b>	<b>POSTER SESSION I – Wood – Sustainable Future</b> Chairman: Bartłomiej Mazela
11.45	<b>STUDIES ON ANTIFUNGAL EFFECTS OF FORMULATION BASED ON COFFEINE AND AATMOS</b> Kwaśniewska P.W., Woźniak M., Ratajczak I., Mazela B., Cofta G.
11.50	<b>THE ETHANOLIC EXTRACT OF PROPOLIS IN WOOD PROTECTION</b> Woźniak M., Kwaśniewska P., Cofta G., Mazela B., Ratajczak I.
11.55	<b>RECYCLING OF USED WOOD PRESENTATION OF THE POLISH-GERMAN PROJECT</b> Wróblewska, H., Witczak, M., Cichy, W., Berthold, D., Meinlschmidt P.

12.00	<p><b>POROUS STRUCTURE AND SURFACE CHEMICAL COMPOSITION OF CARBONS FROM HORNBEAM WOOD ACTIVATED WITH POTASSIUM AND SODIUM HYDROXIDES</b></p> <p>Pawlicka A., Doczekalska B., Bartkowiak M.</p>
12.05	<p><b>IMPACT OF INORGANIC NANOPARTICLES TO UV RESISTANCE OF CLEAR WATER-BASED WOOD COATINGS</b></p> <p>Vitosytė J., Krystofiak T., Lis B., Ukvalbergienė K.</p>
12.10	<p><b>THE USE OF POLYISOBUTYLENE FOR PROTECTION OF CELLULOSIC MATERIALS AGAINST WATER</b></p> <p>Perdoch W., Mazela B., Broda M.</p>
<b>12.15-13.15</b>	<b>Lunch</b>
<b>12.15-13.15</b>	<p><b>Chemical/physical analysis</b></p> <p>Chairman: Franziska Baensch</p>
13.15-13.30	<p><b>SPECTROSCOPIC METHODS TO MEASURE HEARTWOOD STILBENES OF SCOTS PINE</b></p> <p>Pulkka S., Segura V., Charpentier J.P., Tapanila T., Harju A. M., Tanner J., Venäläinen M., Pâques L.E.</p>
13.30-13.45	<p><b>ON SIMULATING LATENT HEAT PHENOMENA IN A SAUNA</b></p> <p>Kraniotis D., Nore K.</p>
13.45-14.00	<p><b>GEOMETRY ANALYSIS OF CHIPS CREATED IN PARTICLEBOARD PERIPHERAL MILLING. INFLUENCE OF MILLING DIRECTION</b></p> <p>Pałubicki B., Godek Ł., Rogoziński T.</p>
14.00-14.15	<p><b>LINEAR ELASTIC ORTHOTROPIC FINITE ELEMENT MODEL OF CNC MANUFACTURED WOOD TO WOOD JOINTS TO JOIN LVL AND TIMBER</b></p> <p>Rebstock F., Sandberg, D.</p>
14.15-14.30	<b>Coffee / Tea</b>
<b>14.30-15.15</b>	<p><b>Wood Physics and Mechanics</b></p> <p>Chairman: Wiesław Olek</p>
14.30-14.45	<p><b>WATER CLUSTERING IN THE CELL WALL OF NATURAL MATERIALS</b></p> <p>Hill C. A. S.</p>

14.15-15.00	<p align="center"><b>SORPTION BEHAVIOUR OF TORREFIED WOOD AND CHARCOAL DETERMINED BY DYNAMIC VAPOUR SORPTION</b></p> <p align="center">Kymäläinen M., Rautkari L., Hill C.A.S</p>
15.00-15.15	<p align="center"><b>MEASUREMENT OF WATER STATES IN SOLID WOOD SAMPLES BY MEANS OF LOW-FIELD NUCLEAR MAGNETIC RESONANCE</b></p> <p align="center">Beck H.G., Hill C.A.S., Thygesen L.G.</p>
15.15-15.30	<p align="center"><b>EFFECT OF HEAT TREATMENT ON THE WEATHERING AND HARDNESS PROPERTIES OF SOME WOOD SPECIES</b></p> <p align="center">Sivrikaya H., Ekinci E., Can A., Taşdelen M., Gökmen K.</p>
15.30-15.45	<p align="center"><b>PHYSICAL PROPERTIES OF UK GROWN LARCH SUBJECTED TO MILD AND MODERATE THERMAL MODIFICATION PROCESSES</b></p> <p align="center">Spear M., Binding T., Nicholls J., Jenkins J., Ormondroyd G.</p>
15.45-16.00	<b>Coffee / Tea</b>
16.00-17.00	<p><b>Wood Protection</b></p> <p>Chairman: Christian Brischke</p>
16.00-16.15	<p align="center"><b>ACETYLATION AND DENSIFICATION OF WOOD</b></p> <p align="center">Laine K., Segerholm K., Wålinder M., Rautkari L., Hughes M., Rowell R.</p>
16.15-16.30	<p align="center"><b>LONG TERM LEACHING OF COPPER FROM COPPER-ETHANOLAMINE TREATED WOOD EXPOSED IN ABOVE AND IN-GROUND APPLICATIONS</b></p> <p align="center">Humar M., Thaler N., Lesar B., Žlahtič M., Kržišnik D.</p>
16.30-16.45	<p align="center"><b>IMPROVING THE PERFORMANCE OF SCOTCH PINE (<i>PINUS SYLVESTRIS</i>) WOOD SURFACE</b></p> <p align="center">Can A., Sivrikaya H.</p>
16.45-17.00	<p align="center"><b>WATER UPTAKE IN WOOD UNDER THE EXTERNAL ELECTRIC FIELD</b></p> <p align="center">Kängsepp K., Larnøy E., Militz H., Goodell B., Salbu B.</p>
17.00-17.15	<b>Closure of Meeting</b>