



## - CONFERENCE PROGRAM -

Venue - University Congress Centre in Ohrid

Republic of North Macedonia

E-mail: [wood.conference@fdtme.ukim.edu.mk](mailto:wood.conference@fdtme.ukim.edu.mk)

<http://www.fdtme.ukim.edu.mk/en/conference-2021>

| <b>14.09.2021 (TUESDAY)</b> |  |
|-----------------------------|--|
| <b>12:00</b>                | Transfer from Skopje to Ohrid (bus)<br>Meeting in front of the Laboratory for Testing of Furniture at the Faculty of Design and Technologies of Furniture and Interior - Skopje ( <a href="#">click for location</a> ) |
| <b>15:00</b>                | Registration and Accommodation (University Congress Centre - Ohrid)  |
| <b>15:30</b>                | Lunch  |
| <b>19:30</b>                | Dinner   |

| <b>15.09.2021 (WEDNESDAY)</b> |                                    |
|-------------------------------|------------------------------------|
| <b>7:00 to 8:30</b>           | Breakfast                          |
| <b>8:30 to 9:00</b>           | Registration                       |
| <b>9:00 to 9:30</b>           | Conference opening and Welcome     |
| <b>9:30 to 11:30</b>          | Paper Session I - Conference Hall  |
| <b>11:30 to 12:00</b>         | Coffee break                       |
| <b>12:00 to 14:00</b>         | Paper Session II - Conference Hall |
| <b>14:00 to 14:30</b>         | Poster Session - Conference Hall   |
| <b>14:30 to 18:30</b>         | Lunch and Excursion                |
| <b>21:00</b>                  | Dinner                             |



| <b>16.09.2021 (THURSDAY)</b> |                                     |
|------------------------------|-------------------------------------|
| <b>7:00 to 8:30</b>          | Breakfast                           |
| <b>9:00 to 11:30</b>         | Paper Session III - Conference Hall |
| <b>11:30 to 12:00</b>        | Coffee break                        |
| <b>12:00 to 14:00</b>        | Paper Session IV - Conference Hall  |
| <b>14:00 to 14:30</b>        | Poster Session - Conference Hall    |
| <b>14:30</b>                 | Closing Ceremonies                  |
| <b>15:00</b>                 | Lunch and Excursion                 |
| <b>20:00</b>                 | Gala dinner                         |

| <b>17.09.2021 (FRIDAY)</b> |                          |
|----------------------------|--------------------------|
| <b>7:00 to 8:30</b>        | Breakfast                |
| <b>10:00</b>               | Transfer to Skopje (bus) |

#### **ACCOMMODATION:**

- Ss. Cyril & Methodius University Congress Centre in Ohrid,
- **50 Euro** (single room)
- Full board accommodation per day/ per person including excursion, bus transfer (Skopje-Ohrid – Skopje) and gala dinner.

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#### **PROCEEDINGS OF CONFERENCE**

All papers written in English will be published in an electronic Book of Proceedings

#### **INTERNATIONAL SCIENTIFIC JOURNAL: WOOD, DESIGN & TECHNOLOGY**

After the conference all papers written in English with positive reviews by two independent reviewers will be published in printed and online version of the International Scientific Journal Wood, Design & Technology indexed by EBSCO.

**E – mail:** [wood.journal@fdtme.ukim.edu.mk](mailto:wood.journal@fdtme.ukim.edu.mk)

**Website:** [http://www.fdtme.ukim.edu.mk/en/wood\\_journal](http://www.fdtme.ukim.edu.mk/en/wood_journal)



## **-SCHEDULE OF PAPER PRESENTATION-**

Venue - University Congress Centre in Ohrid  
Republic of North Macedonia

**15.09.2021 (WEDNESDAY)**  
**9:30 - 11:30**  
**SESSION I**  
**- CONFERENCE HALL -**  
(oral presentation- in person)

*Chairman:*  
*Marija Djurković, Mladen Furtula*

|   |   |
|---|---|
| 1 | <i>Amiina Gačo, Martin Jež</i><br><b>DISTRIBUTION, MORFOLOGICAL- STRUCTURAL PROPERTIES AND THE USE OF BLACK LOCUST (ROBINIA PSEUDOACACIA L.) IN SLOVENIA</b>  |
| 2 | <i>Ladislav Dzurenda, Michal Dudiak</i><br><b>COLOUR OF BIRCH WOOD IN THE PROCESS OF THERMAL TREATMENT WITH SATURATED STEAM AND THE DEPENDENCE OF THE TOTAL COLOUR DIFFERENCE ON THE ACIDITY OF WOOD</b>          |
| 3 | <i>Goran Milić, Nebojša Todorović, Marko Veizović, Ranko Popadić</i><br><b>POSSIBILITY OF DRYING OAK LAMELLAS IN DEHUMIDIFICATION KILNS</b>   |
| 4 | <i>Violeta Jakimovska Popovska, Borche Iliev</i><br><b>WATER ABSORPTION AND THICKNESS SWELLING OF REINFORCED PLYWOOD DURING PROLONGED WATER EXPOSURE</b>  |
| 5 | <i>Barbora Vojáčková, Jan Tippner</i><br><b>SENSITIVITY ANALYSES OF STEM, ROOT-PLATE AND BRANCHES MECHANICAL RESPONSE</b>   |
| 6 | <i>Vladimir Koljozov, Zoran Trposki, Branko Rabadjiski, Goran Zlateski, Vladimir Karanakov</i><br><b>APPLICATION OF CNC TECHNOLOGY FOR MAKING TRADITIONAL DECORATIVE WOOD ELEMENTS FOR FURNITURE AND INTERIOR</b> |
| 7 | <i>Mladen Furtula, Gradimir Danon</i><br><b>INFLUENCE OF SOLID WOOD FUELS ON THE ENVIROMENT</b>   |
| 8 | <i>Damjan Stanojević</i><br><b>ANALYSIS OF THE PROCESSING MODE ON THE CUTTING FORCE WHEN CUTTING BEECH WOOD</b>   |



**15.09.2021 (WEDNESDAY)**  
**12:00 - 14:00**  
**SESSION II**  
**- CONFERENCE HALL -**  
**(oral presentation- in person)**

*Chairman:*  
*Marija Djurković, Mladen Furtula*

|   |  |
|---|--|
| 1 | <i>Marija Djurković, Gradimir Danon</i><br><b>ANALYSES AND VALIDATION OF CUTTING FORCES PREDICTION MODELS IN WOOD MACHINING</b>  |
| 2 | <i>Sebera Václav, Mikuljan Marica, Niemelä J. Aarne, Prislán Rok, Mrissa Michael, Kutnar Andreja, Pečnik G. Jaka</i><br><b>DENSIFIED POPLAR FOR ELECTRIC GUITAR NECK: EXPERIMENTAL AND NUMERICAL ANALYSIS</b>  |
| 3 | <i>Tanja Palija, Igor Džinčić, Ivan Vučićević</i><br><b>DECORATIVE PROPERTIES OF WOOD SURFACE FINISHING WITH OILS AND HYDRO OILS</b>   |
| 4 | <i>Jan Tippner, Barbora Vojáčková, Jan Zlámal</i><br><b>FINITE ELEMENT ANALYSIS OF LOGS GEOMETRY INFLUENCE TO 1<sup>st</sup> NATURAL FREQUENCY WITH RESPECT OF FREQUENCY-RESONANCE METHOD USE</b>  |
| 5 | <i>Alan Antonović, Sergej Medved, Nikola Španić, Damir Barčić, Dario Baričević, Krešimir Greger, Suzana Antolović, Alen Đurović, Juraj Kukuruzović, Josip Ištvanić</i><br><b>INFLUENCE OF DIFFERENT POLYHYDRIC ALCOHOLS ON POLYMER PROPERTIES OF LIQUEFIED BLACK POPLAR WOOD (<i>Populus nigra</i> L.)</b> |
| 6 | <i>Anastasija Temelkova</i><br><b>RESISTANCE OF WOODEN LACQUERED SURFACE TO ABRASION</b>   |
| 7 | <i>Ivan Simić, Igor Džinčić, Tanja Palija,</i><br><b>INFLUENCE OF JOINT TYPE AND FIT ON JOINT STRENGTH IN CHAIRS</b>   |
| 8 | <i>Zdravko Popović, Nebojša Todorović, Ranko Popadić, Goran Milić</i><br><b>INFLUENCE OF MOISTURE CONTENT AND TEMPERATURE ON THE BENDING STRENGTH OF BEECHWOOD</b>   |



**16.09.2021 (THURSDAY)**  
**9:30 - 11:30**  
**SESSION III**  
**- CONFERENCE HALL -**  
**(oral presentation- in person)**

*Chairman:*

*Vladimir Karanakov, Violeta Jakimovska Popovska*

|   |   |
|---|---|
| 1 | <i>Gradimir Danon, Marija Đurković, Mladen Furtula</i><br><b>ENERGY EFFICIENCY MEASURES IN THE SAWMILLS</b>   |
| 2 | <i>Maja Moro, Luka Janković, Danijela Domljan, Andreja Pirc Barčič</i><br><b>USER ATTITUDES ABOUT THE DESIGN OF PREFABRICATED FACILITIES BEFORE THE COVID-19 PANDEMIC AND AFTER ONE YEAR THE OCCURRENCE</b>   |
| 3 | <i>Maja Moro, Tomislav Sedlar, Andrej Barukčić, Branimir Jambrečević, Tomislav Sinković</i><br><b>COMPARISON OF THE RESULTS OF MEASURING THE ANNUAL RING WIDTH OF DOUGLAS FIR WOOD (PSEUDOTSUGA MENZIESII) BY DESTRUCTIVE AND NON - DESTRUCTIVE METHODS</b> |
| 4 | <i>Andreja Peserl</i><br><b>INTRODUCING NEW ACTIVITIES INTO THE STUDY PROCESS</b>   |
| 5 | <i>Dimitrios Tsalagkas, Hanuš Vavrčič, Vladimír Gryc, Kyriaki Giagli</i><br><b>A SIX-YEAR XYLOGENESIS ANALYSIS OF MATURE NORWAY SPRUCE TREES AT BRNO SURROUNDINGS (SOUTH MORAVIA REGION)</b>  |
| 6 | <i>Petar Bunevski, Gjorgji Gruevski, Nacko Simakoski, Viktor Milosev</i><br><b>DETERMINATION OF THE STRENGTH OF BENDING FOR COMPOSITIONS IN THE CONSTRUCTION OF BEDS MADE OF MASSIVE WOOD</b>   |



**16.09.2021 (THURSDAY)**  
**12:00 - 14:00**  
**SESSION IV**  
**- CONFERENCE HALL -**  
**(oral presentation- in person)**

*Chairman:*

*Vladimir Karanakov, Violeta Jakimovska Popovska*

|   |   |
|---|---|
| 1 | <i>Elena Nikoljiski Panevski, Angela Koneska</i><br><b>PRODUCT DESIGN AND REUSABLE MATERIALS</b>  |
| 2 | <i>Branko Temelkovski</i><br><b>SUSTAINABLE CONCEPTS OF MACEDONIAN TRADITIONAL ARCHITECTURE FROM 19<sup>TH</sup> AND 20<sup>TH</sup> CENTURY</b>      |
| 3 | <i>Bojan Karanakov, Jovan Ivanovski</i><br><b>PETITE TIMBER STRUCTURES IN/AND ARCHITECTURAL DESIGN EDUCATION</b>                                      |
| 4 | <i>Dejla Ramić, Salah Eldien Omer, Atif Hodžić</i><br><b>DESIGN AND MODELING OF BENDED FURNITURE THROUGH THE WORK OF MICHAEL THONET</b>               |
| 5 | <i>Hasan Talić, Salah Eldien Omer, Dejla Ramić</i><br><b>ORGANIC DESIGN AND MODELING OF BENDING PLYWOOD FURNITURE THROUGH THE WORK OF ALVAR AALTO</b> |
| 6 | <i>Marija Rashkovic</i><br><b>DESIGNING SOLID SURFACE MATERIAL HI - MACS FURNITURE IN 3D FORM</b>   |
| 7 | <i>Elena Nikoljiski Panevski, Aleksandra Lajkoska</i><br><b>URBAN FURNITURE FROM SUSTAINABLE MATERIAL</b>   |
| 8 | <i>Elena Nikoljiski Panevski, Aleksandra Madjovski</i><br><b>THE ROLE OF ERGONOMIC DESIGN IN KITCHEN FURNITURE</b>                                    |



## - POSTER SESSION -

**15.09.2021 – 16.09.2021**

**14:00 - 14:30**

**- CONFERENCE HALL –**

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| 1  | <i>Violeta Jakimovska Popovska, Borche Iliev</i><br><b>JANKA HARDNESS OF PLYWOOD REINFORCED WITH PRE-IMPREGNATED COTTON FABRICS</b>  |
| 2  | <i>Violeta Jakimovska Popovska, Borche Iliev, Mitko Nacevski</i><br><b>DIMENSIONAL STABILITY OF MULTIPLEX PLYWOOD WITH MAINLY UNIDIRECTIONAL GRAIN ORIENTATION</b>   |
| 3  | <i>Borche Iliev, Violeta Jakimovska Popovska, Julia Mihajlova</i><br><b>IMPACT OF RESIN CONTENT ON WATER ABSORPTION AND THICKNESS SWELLING OF COMPOSITE WOOD-BASED PANELS</b>  |
| 4  | <i>Miljenko Klarić, Nikolina Barlović, Mladen Brezović, Anka Ozana Čavlović, Silvana Prekrat, Nikola Španić</i><br><b>HOT AND COLD WATER SOLUBILITY OF MILLED SLAVONIAN OAK WOOD (<i>Quercus robur</i> L.)</b>   |
| 5  | <i>Miljenko Klarić, Mislav Mikšik, Stjepan Pervan, Silvana Prekrat, Anka Ozana Čavlović, Nikola Španić</i><br><b>INFLUENCE OF TRANSPARENCY OF WRAPPING STRETCH FOIL ON COLOUR OF SMALL SLAVONIAN OAK WOOD (<i>Quercus robur</i> L.) SAMPLES DURING SHORT TERM WRAPPING AND EXPOSURE TO ULTRAVIOLET RADIATION</b> |
| 6  | <i>Jasmina Popović, Milanka Điporović-Momčilović, Gordana Radošević, Mlađan Popović, Dragica Vilotić</i><br><b>ANATOMICAL CHARACTERISTICS OF NARROW LEAVED ASH WOOD</b>  |
| 7  | <i>Elena Jevtoska, Gjorgji Gruevski, Ivana Antovska, Marija Krstev</i><br><b>ANALYSIS OF THE DIMENSIONS OF SCHOOL CHAIRS IN THE PRIMARY SCHOOLS IN THE MUNICIPALITY OF AERODROM – SKOPJE</b>   |
| 8  | <i>Silvana Prekrat, Lana Jarža, Miljenko Klarić, Stjepan Pervan, Nikola Španić, Mladen Brezović, Anka Ozana Čavlović</i><br><b>USE OF CURVED SHAPES IN CHAIR DESIGN USE OF CURVED SHAPES IN CHAIR DESIGN</b>   |
| 9  | <i>Pavlin Vitchev Zhivko Gochev</i><br><b>QUALITY ASSESSMENT OF SURFACES PROCESSED USING CNC MACHINES</b>  |
| 10 | <i>Josip Ištvančić, Juraj Jovanović, Igor Đukić, Martin Gmaz, Selver Smajić, Alan Antonović</i><br><b>COMPUTER SIMULATION MODEL FOR MEASURING THE WIDTH OF UNEDGED SAWN BOARDS USING CAD AND SPREADSHEET PROGRAMS</b>  |
| 11 | <i>Zhivko Gochev, Pavlin Vitchev</i><br><b>CREATION OF 3D CAD MODELS FOR 5-AXIS CNC MACHINING CENTER THROUGH CONTACT DIGITALIZATION</b>  |



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| 12 | <i>Branko Rabadziski, Goran Zlateski, Marija Krstev, Ana-Marija Stamenkoska</i><br><b>ANALYSIS OF THE INFLUENCE OF THE LENGTH OF BEECH SAWLOGS<br/>(<i>FAGUS SYLVATICA L.</i>) ON THE MAXIMUM QUANTITY EXPLOITATION</b> |
| 13 | <i>Marija Krstev, Ivana Antovska, Elena Jevtoska, Gjorgi Gruevski</i><br><b>INFLUENCE OF FURNITURE EXPLOITATION ON THE BENDING STRENGTH OF<br/>FINAL CORNER JOINS MADE OF ORIENTED STRAND BOARDS</b>                    |
| 14 | <i>Ivana Antovska, Gjorgi Gruevski, Marija Krstev, Elena Jevtoska</i><br><b>DETERMINATION OF THE FIRMNESS OF CORNER JOINTS FOR CONSTRUCTED<br/>CORPS FURNITURE MADE OF REEFINED PANELS OF PARTICLE BOARDS</b>           |