

13th IUFRO International Wood Drying Conference “Wood Drying in Developing Countries” Final Programme 2017

| Wednesday 13 September | |
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| 08:30-11:00 | Registration |
| 11:00-12:00 | Welcome and Opening Remarks |
| 12:00-13:00 | Lunch |
| 13:00-13:25 | Keynote I- Prof. Dr. Diego ELUSTONDO- |
| 13:25-13:50 | Keynote II- Prof. Dr. Agron BAJRAKTARI- |
| 13:50-14:15 | Keynote III- Prof. Dr. Öner ÜNSAL- |
| | Session One: Drying Quality and Wood Properties Session Chair: Prof. Dr. Diego Elustondo |
| 14:15-14:30 | Beech Wood Colour Changes after Drying Michalis Skarvelis , Konstantinos Mousilopoulos |
| 14:30-14:45 | Hygroscopicity of heat-treated fir (<i>Abies borisii</i> Regis) wood Andromachi Mitani , Ntalos Georgios, Skarvelis Michalis, Filippou Vasileios |
| 14:45-15:00 | Determination of Some Properties of Pellets Obtained Mustard Seed Hidayet Oguz , Kerim Martin |
| 15:00-15:15 | Using Acoustic Emission Method to obtain Optimum Drying Schedules for Oriental Beech (<i>Fagus orientalis</i>) and Sessile Oak (<i>Quercus petraea</i>) Lumbers Öner Ünsal , Türker Dündar, Nusret As, Süleyman Korkut, Hızır Volkan Güngör, Alperen Kaymakçı |
| 15:15-15:30 | Heat treatment of wood in Turkey-state of the art Ümit Cafer YILDIZ , Sibel YILDIZ |
| 15:30-15:45 | Coffee Break |
| | Session Two: Methods for monitoring the drying process Session Chair: Prof. Dr. Nadir Ayrılmış |
| 15:45-16:00 | The change of color and dynamic modulus of elasticity of five important Indonesian tropical wood species after 10 months outdoor exposure Lina Karlinasari , M.Irsyad Azmi, Trisna Priadi |
| 16:00-16:15 | Color changes of heat treated wood from three Indonesian tropical fast growing species Lina Karlinasari , Andi Tri Lestari, Trisna Priadi |
| 16:15-16:30 | Numerical Analysis of Temperature Distribution in Cooling Period of Lumber Drying Kemal Üçüncü, Ümit Cafer Yıldız |
| 16:30-16:45 | Surface Roughness Properties of Thermally Modified Rowan Wood Panels Hızır Volkan Görgün , Zeki Candan, Öner Ünsal, Süleyman Korkut |
| 16:45-17:00 | Coffee Break |
| | Session Three: Physics of Wood Drying and Modelling Session Chair: Dr. Lina Karlinasari |
| 17:00-17:15 | Drying Characteristics and Technology of Pterocarpus SPP Based on Heat Pump Drying Process Guilan Zhang , Zhentao Zhang, Zhang yu, Jie Liu, Yang Luwei |
| 17:15-17:30 | Effect of drying severity on the hydroxyl accessibility and hygroscopicity of beech wood Asghar Tarmian , Emil Engelund Thybring |
| 17:30-17:45 | Influence of Ultrasound-Assisted Extraction on Volatiles Emitted and Residues Produced in Pyrolysis of Wood Zhenyu Wang , Lijie Qu, Jiali Zhang, Zhengbin He, Songlin Yi, Jun Mu |
| 17:45-18:00 | Effect of Drying Method, Lumber Quality and Lumber Thickness in the Appearance of Drying Defects in Fir Lumber Filippou Vasileios , Karastergiou Sotirios, Philippou Ioannis, Mitani Andromachi |

| Thursday 14 September | |
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| | Session Four: Applied Wood Drying Session Chair: Prof.Dr. Ümit Cafer Yıldız |
| 08:30-08:45 | Evaluation of Drying Defects and Analysis of Drying Stress during Saturated-Superheated Steam Drying for Square Timber Yonggun Park , Sang-Yun Yang, Hyunwoo Chung, Hyunbin Kim, Chang-Deuk Eom, Yeonjung Han, Yoon-Seong Chang And Hwanmyeong Yeo |
| 08:45-09:00 | The Effect of Decreasing Cohesive Forces on Some Mechanical Properties of Oak (<i>Quercus</i> Spp.) Wood Hüseyin Akkılıç, Akin Sendağ , Nusret As |
| 09:00-09:15 | The Effect of Moisture Content on the Attenuation of Wood Akin Sendağ , Türker Dünder, Büşra Tuncer, Nusret As |
| 09:15-09:30 | Drying Quality of Eucalyptus Timber Dried under Different Conditions Ayşenur Kılıç Ak , İbrahim Bektaş, Öner Ünsal |
| 09:30-09:45 | The Effect of Heat Treatment and Silane Coupling Agent Application to Shear Resistance of Polyurethane Bonded Pine and Fir Wood Saadettin Murat Onat , Zeynep Eda Özcan |
| 09:45-10:00 | Current Trend and Changes on Solid wood Usage in Turkey Emine Seda Erdinler , Hasan Tezcan Yıldırım |
| 10:00-10:15 | Coffee Break |
| | Session Five: Alternative Drying Methods Session Chair: Doç.Dr. Gökhan Gündüz |
| 10:15-10:30 | Effects of Heat Treatment (ThermoWood) on the Thermal Conductivity Properties of White poplar, American ash and White willow Wood Types Sırrı Şahin, Öner Ünsal, Cengiz Güler , Tuğba Gürleyen, Levent Gürleyen, Ümit Ayata |
| 10:30-10:45 | Water Uptake and Wettability Properties of Composite Panels Produced from Heat-Treated Wood Wastes Hakan Çidem, Sibel Yıldız, Aydın Demir, İsmail Aydın, Ümit Cafer Yıldız |
| 10:45-11:00 | Some of the Chemical and Microstructural Characterization of Thermally Modified Wild Cherry (<i>Prunus avium</i> L.) Wood Nural Yılgor , A. Dilek Dogu, Zeki Candan, Süleyman Korkut |
| 11:00-11:15 | Coffee Break |
| | Session Six: Wood Modification Related to Drying Session Chair: Ph.D.Ciprian Lazarescu |
| 11:15-11:30 | The operational performance of a low cost solar hardwood drying kiln utilizing natural dehumidification Richard Müller |
| 11:30-11:45 | The effects of particle size on the mechanical and morphologic properties of heat-treated wood polypropylene composites Mizgin Alsan, Deniz Aydemir, Gökhan Gündüz , Eser Sözen |
| 11:45-12:00 | Kiln Drying Schedules for Turkish Hazel (<i>Corylus colurna</i> L.) lumber of 5 cm thickness Süleyman Korkut , Nusreta As, Ümit Büyüksarı |
| 12:00-13:00 | Lunch |
| 13:00-13:15 | Photo Session (Group Picture) |
| | Session Seven: Miscellaneous Drying Technologies Session Chair: Richard Müller |
| 13:15-13:30 | Continuous drying systems for softwood lumber: Feasibility under Canadian climate and conditions Ciprian Lazarescu , Luiz Oliveira |
| 13:30-13:45 | The Interaction of the Physical and Macroscopic Properties Against Heat Treatment Fatma Diğdem Tuncer , Ayşe Dilek Doğu |
| 13:45-14:00 | Hydrothermally Modified Maple: Mechanical, Physical and Chemical Properties Neil Kohanand , WB Smith |
| 14:00-14:15 | Wettability properties of hydro-thermal treated Oriental Beech Hızır Volkan Görgün, Nadir Ayrılmış , Türker Dünder, Lykidis Charalampos |
| 14:15-14:30 | Coffee Break |

