

**Programme**  
**IRG53 Scientific Conference on Wood Protection, 29 May to 2 June, Bled, Slovenia**

<b>Sunday 29 May</b>		
9:00	Fun Run	
14:30-18:00	Registration Rikli Balance Hotel, Rosa Room	
18:00-20:00	Welcome reception, Rikli Balance Lobby	

<b>Monday 30 May</b>		
<i>Arnold</i>	<b>Opening Plenary Session</b> President: Lone Ross Vice-President: Rod Stirling Secretary-General: Mats Westin	
08:30-08:45	<b>Opening Ceremony of the 53rd Annual Conference</b> <b>Opening address by</b> Lone Ross, President, The International Research Group on Wood Protection Miha Humar, Local Organizing Committee	
08:45-09:20	<b>Plenary</b>  1. Opening of the meeting 2. Approval of the agenda 3. Membership issues - New regular and student members, new corporate members and members deceased 4. Announcement of this year's award recipients - Honorary Life Long Membership - Ron Cockcroft Award	          <b>22-60500</b>          <b>22-60499</b>

## Programme

<i>Arnold</i>	<b>Scientific Main Session – keynotes</b> Chair: Rod Stirling	
09:20-09:50	<b>Protection of Venetian pilings from marine borers</b> <u>Davide Tagliapietra</u>	22-10995
09:50-10:20	<b>The influence of climate changes on Central European forests with an emphasis on Slovenia</b> <u>J Gričar</u> , L Krajnc, M Westergren, S Rus, H Kraigher	22-50368
<b>10:20-10:40</b>	<b>Coffee / Tea</b>	
<i>Arnold</i>	<b>Scientific Main Session – section papers</b> Chairs: Dallin Brooks, Nadine Amusant, Erik Larnøy, Jun Zhang, Paul Merrick	
10:40-11:00	Section 5 – Sustainability and Environment <b>Contributions by an academic society to the development of scientific research - the case of wood protection research in Japan</b> <u>K Yamamoto</u>	22-50372
11:00-11:20	Section 1 - Biology <b>Introduction to the project ‘Deterioration and decay of wooden cultural heritage in Arctic and Alpine environments’ (ArcticAlpineDecay)</b> <u>G Alfredsen</u> , L Ross, A W Hegnes, M S Austigard, J Mattsson, N B Pedersen, A Sinitsyn, V V Martens, A-C Flyen	22-10997
11:20-11:40	Section 2 – Test methodology and assessment <b>Combining MRI and X-ray CT to monitor fungal decay of plywood and OSB in a lab test</b> <u>L De Ligne</u> , T Núñez Guitar, C Vanhove, B Descamps, J Van Acker, J Van den Bulcke	22-20683
11:40-12:00	Section 3 – Wood protection chemicals <b>Properties of Iron(II) Sulphate treated Norway Spruce</b> <u>B Lesar</u> , M Humar, M Škamlec	22-30765
12:00-12:20	Section 4 – Processes and properties <b>Molecular dynamics investigation of wood modification with furfuryl alcohol</b> <u>V Ponnuchamy</u> , J Sandak, A Sandak	22-40931
<b>12:20-13:50</b>	<b>Lunch</b>	

## Programme

<b><i>Arnold</i></b>	<b>Working Party 4.1 Chemical Modification</b> Conveners: Holger Militz	
13:50-14:10	<b>Acetylation of pine wood in Uruguay</b> <u>C M Ibáñez</u> , L Castillo	<b>22-40927</b>
14:10-14:30	<b>Durability against fungal decay of sorbitol and citric acid (SorCA) modified wood</b> <u>K Kurkowiak</u> , L Emmerich, H Militz	<b>22-40928</b>
14:30-14:50	<b>CIOL®-protection of wood – an update</b> <u>A Treu</u> , E Larnøy, J Bjørnstad	<b>22-40932</b>
14:50-15:10	<b>Biological assessment of bio-based phase change materials in wood for construction applications</b> <u>S Palanti</u> , A Temiz, G Köse Demirel, G Hekimoğlu, A Sari, M Nazari, J Gao, M Jebrane, T Schnabel, N Terziev	<b>22-40935</b>
15:10-15:20	<b>Discussion and Questions</b>	
<b>15:20-15:40</b>	<b>Coffee / Tea</b>	
<b><i>Arnold</i></b>	<b>Special Session: Circular Economy</b> Convener: Liselotte De Ligne	
15:40-16:00	<b>Make do and mend: Re-using timber in Smithfield Market</b> <u>J R Williams</u>	<b>22-50371</b>
16:00-16:20	<b>Sustainable wood products development in a bio-refinery perspective: case studies in French Guiana</b> <u>E Houël</u> , N Amusant, J Passelande, J Bossu, R Lehnebach, E Wozniak	<b>22-50370</b>
16:20-16:40	<b>A new project - Circular use of wood in Norway for improved sustainability and innovation (CircWOOD)</b> <u>L Ross</u> , L Huang, E Trømborg, R Modaresi, H Sjøli, C A S Hill	<b>22-50369</b>
16:40-16:50	<b>Discussion and Questions</b>	
<b>19:00-21:00</b>	<b>President's RECEPTION (upon invitation)</b>	

## Programme

<b>Tuesday 31 May</b>		
<b>Parallel Session A</b>		
<b>Arnold A</b>	<b>Working Party 1.1 Soft rot, bacteria, bluestain and moulds Working Party 1.2 Basidiomycetes Conveners: Marcela Ibáñez</b>	
08:30-08:50	<b>Dynamics of fungi colonization on the surface of Scots pine wood during natural weathering in different European climate zones</b> <u>F Poohphajai</u> , O Myronycheva, O Karlsson, L Rautkari, J Sandak, A Sandak	<b>22-10984</b>
08:50-09:10	<b>Decay capacity and degradation patterns of <i>Xylaria hypoxylon</i> on different wood species</b> <u>E Bari</u> , G Daniel, A Singh, J Morrell	<b>22-10985</b>
09:10-09:30	<b>Changes in topochemistry and mechanical properties of Beech (<i>Fagus orientalis</i> L.) by natural fungus infestation</b> <u>H Sivrikaya</u> , M Rehbein, F Divos, S Adamopoulos, R Hosseinpourpia	<b>22-10986</b>
09:30-09:50	<b>In Vitro Growth of the Basidiomycetes <i>Physisporinus vitreus</i> strains in various conditions in comparison with some white rot fungi</b> <u>E E Soytürk</u> , S N Kartal	<b>22-10987</b>
09:50-10:10	<b>Evaluation of different wood by-products for sustainable building biomaterial production using fungal mycelium</b> <u>C Charpentier-Alfaro</u> , M Poggerini, S Palanti, G Della Rocca, D Pellegrini, A Crisci	<b>22-50373</b>
10:10-10:20	<b>Discussion and Questions</b>	
10:20-10:40	<b>Coffee / Tea</b>	
<b>Arnold A</b>	<b>Working Party 1.3 Insect Biology and Testing Working Party 1.5 Marine Conveners: Marie-France Thévenon, Nadine Amusant</b>	
10:40-11:00	<b>Assessing the Performance of Wood-based Materials Exposed to Termite Risk – A New Experimental Approach</b> <u>M Kutnik</u>	<b>22-10989</b>

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11:00-11:20	<b>Role of microbiota in wood degradation by <i>Reticulitermes grassei</i> and <i>Bursaphelenchus xylophilus</i></b> <u>L Robertson</u> , S Rames, M Uriel, J M González, F Llinares, S M Santos, M T Troya	22-20684
11:20-11:40	<b>Wood modification reduces the feeding rate of the wood boring crustacean, <i>Limnoria quadripunctata</i></b> <u>L S Martin</u> , S Lande, M Westin, S M Cragg	22-10993
11:40-12:00	<b>Results of the resistance of acetylated wood against marine borers at three Italian sites after five years of sea immersion</b> <u>S Palanti</u> , F Stefani, M Andrenacci, M Faimali, I Guarneri, M Sigovini, D Tagliapietra	22-10994
12:00-12:10	<b>Discussion and Questions</b>	
12:10-13:40	<b>Lunch</b>	
<b>Arnold A</b>	<b>Working Party 3.1 Inorganic Preservatives Working Party 3.2 Organic Preservatives Conveners: Morten Klamer, Gry Alfredsen</b>	
13:40-14:00	<b>Evaluation of anti-weathering and resistance against termite of the Myoung-oil as a wood preservative</b> <u>S-M Yoon</u> , Y Park, W-S Jeon, H-M Lee, J-G Park, K Dal Nam, W-J Hwang	22-10996
14:00-14:20	<b>Impregnation of wood with antifungal compounds from low-quality tree biomass</b> <u>V Vek</u> , I Poljanšek, A Balzano, M Humar, P Oven	22-30763
14:20-14:40	<b>A new approach to wood protection: Potential of biologically synthesised CuO and ZnO nanoparticle formulation as a wood preservative</b> <u>K S Shiny</u> , R Sundararaj, N Mamatha	22-30758
14:40-15:00	<b>Brief introduction to a research project on preparations of various paste formulations from boron, fluoride and copper for supplemental treatments</b> <u>E E Soytürk</u> , D Bakır, E Terzi, C Köse, S N Kartal	22-30759
15:00-15:20	<b>Wood Protection Using Nano Metal Oxides in Propylene Glycol</b> <u>S Nair</u> , G B Nagarajappa, K K Pandey	22-30760
15:20-15:40	<b>Efficiency of three resin fractions from <i>Aucoumea Klaineana</i> Pierre, <i>Canarium schweinfurthii</i> Engl and <i>Dacryodes edulis</i> (G. Don) H. J. Lam from Gabon combined with Tebuconazole as wood preservatives</b> W F Bedounguindzi, K Candelier, P Edou Engonga, <u>S Dumarcay</u> , M-F Thevenon, P Gerardin	22-10998
15:40-16:00	<b>Environmentally Friendly Wood Modification based on Tannin-Furfuryl alcohol - Effect on stabilisation,</b>	22-40929

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	<b>mechanical properties and decay durability</b> M Mubarok, E Azadeh, F O Akong, S Dumarçay, A Pizzi, C Charbonnier-Gérardin, <u>P Gérardin</u>	
16:00-16:10	<b>Discussion and questions</b>	
16:10-16:30	<b>Coffee / Tea</b>	

<i>Arnold/Voda</i>	<b>Poster Session</b> Convener: Rod Stirling	
16:30-18:00	<b>POSTER PRESENTATIONS – 3 min each</b>	
P01	<b>Evaluation of ecotoxicological effects of different coniferous wood treatments on two marine bioindicator species</b> <u>T Marčeta</u> , N Nesto, I Guarneri, D Tagliapietra, V Moschino	22-10999
P02	<b>Chemotaxonomy of the genus <i>Aquilaria</i> (<i>Thymelaeaceae</i>)</b> <u>C Zaremski</u> , N Amusant, C Andary, M Ducouso, S Hul, G Michaloud, A Zaremski	22-20687
P03	<b>Using satellite-retrieved soil moisture data to model the decay risk of in-ground timber</b> <u>P B van Niekerk</u> , M Schönauer, B N Marais, C Brischke	22-20689
P04	<b>Effect of nanoparticle impregnation on the biological durability of wood</b> M Bak, R Németh	22-30772
P05	<b>Field tests of different tropical wood species in sea water</b> <u>M Westin</u> , P Larsson Brelid	22-30773
P06	<b>Utilization of Pressure Treated Lumber in Cross Laminated Timber Manufacture and its Impact on Bondline Integrity</b> <u>G Presley</u> , C Wainscott, J Valenti, S Noble	22-40953
P07	<b>Durability of thermally modified western hemlock lumber against wood decay fungi</b> <u>G Presley</u> , J Cappellazzi, I Eastin	22-40954
P08	<b>A Comparison of Cross-Laminated Timber (CLT) Floor Panels using Finite Element Analysis and Experimental Fire Testing</b> <u>M Yasir</u> , A Macilwraith, K Ruane	22-40955
P09	<b>Evaluation of Decay Resistance for the Larch Wood Heat-treated with Superheated Steam</b>	22-40956

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	<u>Y Park</u> , S-M Yoon, H Kim, W-J Hwang	
P10	<b>Biocomposites based on PVA, cellulose nanofibrils and tannic acid</b> U Osolnik, V Vek, I Poljansek, Poven	<b>22-40957</b>
P11	<b>Application of an Ultrasound-based Instrument to Evaluate Condition of Drywood Termite Infested Timber Components</b> S Fauziyyah, L Karlinasari, D Nandika, R Wimmer	<b>22-11000</b>
P12	<b>Analysis of wooden shingles after seven years of exposure</b> M Humar, B Lesar, D Kržišnik, E Keržič, B Jemec	<b>22-20690</b>
P13	<b>Acetylation of Peruvian wood species</b> A Loayza, L Quispe, R Chara, L Quispe	<b>22-40958</b>

<b>Tuesday 31 May</b>		
<b>Parallel Session B</b>		
<b>Arnold B</b>	<b>Working Party 2.1 Prediction of Service Life Working Party 2.2 Microbial Test Methodology</b> Conveners: Wim Willems	
08:30-08:50	<b>Performance of wood exterior structures above ground in Spain. Performance and durability of a shelter of spruce in a shopping centre after 20 years</b> <u>D Lorenzo</u> , A Lozano, M Alonso, J Fernández-Golfín, M Touza, J Benito	<b>22-20680</b>
08:50-09:10	<b>Studies into the effect of soil type and soil layer on the in-ground decay of European beech</b> <u>B N Marais</u> , S Kovacs, M Jansen, C Brischke	<b>22-20681</b>
09:10-09:30	<b>Significance of the thermal design and the sorption isotherm shape in hygroscopic wood moisture dynamics and service life</b> <u>W Willems</u>	<b>22-20682</b>
09:30-09:50	<b>The role of specimen format in wood durability testing</b> <u>C Brischke</u> , L K Grünwald, S Bollmus	<b>20-20672</b>
09:50-10:10	<b>Joints design considerations in indoor high humidity conditions</b> <u>A Lozano</u> , D Lorenzo, M Alonso, F Álvarez, J E Martínez	<b>22-40950</b>

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10:10-10:20	<b>Discussion and Questions</b>	
10:20-10:40	<b>Coffee Break</b>	
<b>Arnold B</b>	<b>Working Party 4.2 Wood composites, WPCs and Engineered Wood Products Working Party 4.3 Treating Processes &amp; Treatability of Timber Conveners: Kévin Candelier</b>	
10:40-11:00	<b>Steam Pre-conditioning Treatment Prior to Acetylation: Impact on Dimensional Stability, Moisture Response Behaviour, and White-Rot Fungal Resistance of <i>Hevea brasiliensis</i> and <i>Mitragyna ciliata</i> Wood</b> E Uchechukwu Opara, J Mayowa Owoyemi, J Adeola Fuwape	<b>22-40930</b>
11:00-11:20	<b>Chemical modification of cellulose nanofibrils for tailoring properties of composites</b> I Poljanšek, V Vek, J Levanič, V Ž Bogataj, P Oven	<b>22-40934</b>
11:20-11:40	<b>Surface chemical wood densification through in situ electron beam polymerization: description and dose study</b> J Triquet, P Blanchet, V Landry	<b>22-40933</b>
11:40-12:00	<b>Effect of densification of <i>Eucalyptus nitens</i> and <i>E. obliqua</i> on moisture uptake, swelling, decay resistance, and fire performance</b> B Hassan, J J Morrell, F Wiesner, W Wu, B Belleville, K C Wood	<b>22-40946</b>
12:00-12:10	<b>Discussion and Questions</b>	
12:10-13:40	<b>Lunch</b>	
<b>Arnold B</b>	<b>Working Party 4.5 Thermal Wood Modification Conveners: Joris Van Acker</b>	
13:40-14:00	<b>Evaluation of the physical properties of heat-treated native Peruvian woods for their application as coverings in buildings located in in arid, semi-warm and humid climates</b> K Ayala Castro	<b>22-40943</b>
14:00-14:20	<b>The Resistance of Some Commercially Thermally Modified American Hardwoods to Termites and Fungi</b> B Cortes, B Bond, A Taylor, J Lloyd	<b>22-40944</b>
14:20-14:40	<b>Effect of Heat Treatment on Physical and Mechanical Properties of Oriental Beech Wood (<i>Fagus orientalis</i> L.)</b>	<b>21-40923</b>



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	M D Ghalehno, D Chu, B N Sheshkal, M Humar, <u>M Bahmani</u>	
14:40-15:00	<b>Mechanical Properties of Thermally Modified Wood after twelve Months of Field Exposure</b> <u>R Hasanagić</u> , M Bahmani, L Fathi, M Humar	<b>22-40945</b>
15:00-15:20	<b>Moisture sorption behaviour of poplar and thermally modified poplar using dynamic vapour sorption (DVS)</b> <u>X Jiang</u> , J Van den Bulcke, L De Boever, M Minsart, A Mignon, J Van Acker	<b>22-40947</b>
15:20-15:40	<b>Improving wood durability by mineralisation and thermal modification</b> <u>R Repič</u> , A Pondelak, D Kržišnik, M Humar, A S Škapin	<b>22-40948</b>
15:40-16:00	<b>Durability of thermotreated Pinus sylvestris and Eucalyptus nitens against wood decay organisms</b> <u>M T Troya</u> , S M Santos, L Robertson, N Pérez-Molina, V Baños, A Dieste	<b>22-40949</b>
16:00-16:10	<b>Discussion and Questions</b>	
<b>16:10-16:30</b>	<b>Coffee / Tea</b>	
<i>Arnold/Voda</i>	<b>Poster Session</b> Convener: Rod Stirling	
<b>16:30-18:00</b>	<b>POSTER PRESENTATIONS – 3 min each</b> See Page 6 for List of Posters	

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<b>Wednesday 1 June</b>		
	<b>Parallel Session A</b>	
<b>Arnold A</b>	<b>Working Party 3.3 Performance Lab and Field Tests</b> Conveners: Notburga Pfabigan, Bruce Breedt	
08:30-08:50	<b>Evaluation of Decay Resistance of Copper-based Preservatives Treated-Wood exposed to different field test sites in Korea</b> <u>W-J Hwang</u> , S-M Yoon, Y Park, Y-S Choi, H-M Lee, J-W Kim	22-20679
08:50-09:10	<b>Service trial of different materials exposed in jetties at Öresund. Progress report No. 5</b> <u>J Jermer</u>	22-30764
09:10-09:30	<b>Post-layup protection of mass timber elements in above ground protected exposures: 2 year results</b> M E Mankowski, T G Shelton, G T Kirker, J J Morrell	22-30766
09:30-09:50	<b>Above-Ground Termite Resistance of Naturally Durable Species in Ontario and Mississippi</b> <u>R Stirling</u> , M Mankowski	22-30767
09:50-10:10	<b>Effect of nano-particle characteristics and concentration on UV protection of timber: A field exposure test</b> <u>T Yi</u> , J J Morrell	22-40941
10:10-10:30	<b>Phenol formaldehyde modification and termite resistance under laboratory testing</b> L Nunes, A Pitman, B Stefanowski, <u>D Jones</u>	22-40952
10:30-10:40	<b>Discussion and Questions</b>	
<b>10:40-11:00</b>	Coffee / Tea	
<b>Arnold A</b>	<b>WP 3.4. Fire Retardants</b> Conveners: Udo Warncke, Clara Zaremski	
11:00-11:20	<b>Impact of wetting agents on polyelectrolyte complex impregnation for wood fire-retardancy</b> <u>M Soula</u> , J B Grenier, S Duquesne, F Samyn, V Landry	22-30768
11:20-11:40	<b>Green approach in wood mineralisation for improvement of fire properties</b> <u>A Pondelak</u> , R Repič, L Škrlep, N Knez, F Knez, A S Škapin	22-30769
11:40-12:00	<b>Effects of Borax and Boric Acid as Fire Retardants on the Resistance of <i>Pterygota macrocarpa</i> Wood to Fire Tests</b>	22-30770

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	<u>J M Owoyemi</u> , O Apogbona, T O Akinwamide	
12:00-12:10	<b>Discussion and Questions</b>	
<b>12:30</b>	<b>Excursion</b>	

<b>Wednesday 1 June</b>		
<b>Parallel Session B</b>		
<b>Arnold B</b>	<b>Working Party 1.4 Natural Durability</b> Conveners: Christian Brischke	
08:30-08:50	<b>Chemical composition of agarwood of <i>Aquilaria crassna</i> Pierre ex. Lecomte induced by Basidiomycetes from French Guiana</b> <u>C Zaremski</u> , M Ducouso, C Andary, G Michaloud, C Menut, A Zaremski, N Amusant	<b>22-10988</b>
08:50-09:10	<b>Biological durability of sapling wood</b> <u>C Brischke</u> , L Emmerich, D G B Nienaber, S Bollmus	<b>20-10967</b>
09:10-09:30	<b>Antifungal and antitermite activities of acetonic extractives from <i>Cedrus Atlantica</i> heartwood</b> R Dijoux, R Ducret, E Kieny, D Aznar, C Cayzac, L Bidel, C J Allemand, K Candelier	<b>22-10990</b>
09:30-09:50	<b>The effect of sapwood and heartwood differences on durability of short rotation teak wood</b> R Martha, M Mubarak, F O Akong, B George, C Gérardin, S Dumarçay, I S Rahayu, I Batubara, W Darmawan, P Gérardin	<b>22-10991</b>
09:50-10:10	<b>Natural durability and moisture dynamics of commercially important European wood species after weathering</b> <u>E Keržič</u> , M Humar	<b>22-10992</b>
10:10-10:30	<b>Discussion and Questions</b>	
<b>10:30-11:00</b>	<b>Coffee / Tea</b>	

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<i>Arnold B</i>	<b>Working Party 2.3 Chemical/Physical Analysis</b> <b>Working Party 2.4 International Standardisation</b> Conveners: Per-Otto Flæte	
11:00-11:20	<b>Measurement of copper concentration in Cu-HDO treating solutions by handheld XRF</b> <u>P-O Flæte</u>	<b>22-20685</b>
11:20-11:40	<b>Discrimination of five commercial wood preservatives by handheld near-infrared spectrometers and Multivariate Data Analysis</b> <u>M Rubini</u> , P Dulucq, B Charrier	<b>22-20686</b>
11:40-12:00	<b>Copper-octanoate - a possible reference preservative substitute for CCA in field test standards?</b> <u>R Ringman</u> , M Westin, M Klamer, A Christof, F Friese	<b>22-20688</b>
12:00-12:10	<b>Discussion and Questions</b>	
<b>12:30</b>	<b>Excursion</b>	

## Programme

<b>Thursday 2 June</b>		
<i>Arnold</i>	<b>Working Party 4.4 Coatings, hydrophobic treatments and surface aspects</b> Conveners: Elena Conti	
08:30-08:50	<b>Comparative study of the properties of silicate coatings with different mineral pigments (titanium dioxide, iron (III) oxide, copper (II) oxide) on the surface of wood</b> <u>A M Cheumani Yona, M Petrič</u>	22-40936
08:50-09:10	<b>Premature adhesion failure of exterior wood coatings – The influence of substrate temperature at coating application and moisture accumulation during storage</b> <u>U Hundhausen</u>	22-40937
09:10-09:30	<b>Extraction of fungal colorants for their use in coloured coatings for wood</b> K Kusstatscher, <u>N Pfabigan</u> , M Senoner, L Orlowsky, A Steitz, B Forsthuber, S Niedermayer, R Gründlinger	22-40938
09:30-09:50	<b>Exploring the potential for plasma-assisted coating at atmospheric pressure for wood protection</b> <u>J Profili, G Laroche</u>	22-40939
09:50-10:10	<b>Optimized composition of alkyd emulsion with nanoparticles of iron oxide for enhancing protection of thermally modified wood</b> <u>E Sansonetti, D Cîrule, I Andersone, B Andersons, E Kuka</u>	22-40940
10:10-10:30	<b>The influence of thermal modification and surface charring to different levels on wettability of Norway spruce wood</b> <u>J Žigon, C Gerardin, M E P Wålinder, P Gerardin</u>	22-40942
10:30-10:50	<b>Influence of weathering on the mechanical properties and performance of exterior wood coatings</b> <u>L Podgorski, J-D Lanvin</u>	22-40951
10:50-11:00	<b>Discussion and Questions</b>	
<b>11:00-11:20</b>	<b>Coffee / Tea</b>	
<i>Arnold</i>	<b>Special Session New Wood Preservatives and Applications (Pt 1)</b> Convener: Kevin Archer	
11:20-11:40	<b>Comparative study on the efficacy of biobased wood preservative over conventional wood preservatives against fungi and termites</b> <u>A Kumar, A John, B N Hazarika</u>	22-30761

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11:40-12:00	<b>An Update on the Status of Industrial Heavy Duty Preservatives in Europe</b> S Uphill, H Griffiths, M Giannuzzi, A Hughes	<b>22-30762</b>
<b>12:00-13:30</b>	<b>Lunch</b>	
<b>Arnold</b>	<b>Special Session New Wood Preservatives and Applications (Pt 2)</b>	
13:30-13:50	<b>Copper Naphthenate – A Data and Capability Update</b> J-W Kim, J D Lloyd	<b>22-30771</b>
13:50-14:10	<b>A novel wood preservation technology improving durability and water-related properties</b> L Emmerich, H Militz, M Vila	<b>22-40926</b>
14:10-14:20	<b>Discussion and Questions</b>	
<b>Arnold</b>	<b>Scientific Plenary Session – Discussion Forum</b> Session Chairs: Rod Stirling	
14:20-15:20	<b>IRG in a Post-Pandemic World</b> IRG's Mission (Lone Ross), Business and Inclusion (Mats Westin), Carbon Impacts (Rod Stirling and Gry Alfredsen), Collaboration (Christian Brischke)	
<b>15:20-15:40</b>	<b>Coffee / Tea</b>	
<b>Arnold</b>	<b>Final Plenary Session</b> President: Lone Ross Vice-President: Rod Stirling Secretary-General: Mats Westin	
15:40-17:00	<ol style="list-style-type: none"> <li>5. Approval of the Annual Report 2021 and Auditor's report (IRG/WP 19-60452)</li> <li>6. Granting discharge for the Executive Council and Secretary-General from the administration and accountancy for 2021</li> <li>7. Approval of membership fees for 2023</li> <li>8. Approval of the budgets for 2022 (forecast May 2022) and 2023</li> <li>9. Election of new officers</li> <li>10. Appointment of auditors</li> <li>11. Future venues</li> <li>12. Any other business</li> </ol>	<b>22-60502</b> <b>22-60503</b>
<b>19:30</b>	<b>CONFERENCE BANQUET – Hotel Toplice</b>	