

Programme
IRG50 Scientific Conference on Wood Protection, 12 - 16 May 2019, Quebec City, Canada

Sunday 12 May		
10:00	Fun Run Fairmont Château Frontenac – starting outside the hotel	
14:30-18:00	Registration Hotel Fairmont Château Frontenac, Salle Verchères	
18:00-21:00	Welcome reception Hotel Fairmont Château Frontenac, Salle Frontenac	

Monday 13 May		
<i>Salle de bal</i>	Opening Plenary Session President: Joris Van Acker Vice-President: Lone Ross Gobakken Secretary-General: Mats Westin	
08:30-08:40	Opening Ceremony of the 50th Annual Conference Opening address by Joris Van Acker, President, The International Research Group on Wood Protection Rod Stirling, Local Organizing Committee	
08:40-09:00	Plenary 1. Opening of the meeting 2. Approval of the agenda 3. Membership issues - Ratification of the election of new members since last year’s Plenary 4. Announcement of Ron Cockcroft Award recipients 5. Approval of the Annual Report 2018 and Auditors’ report 6. Granting discharge for the Executive Council and Secretary-General from the administration and accountancy for 2018	19-60453 19-60452

Programme

<i>Salle de bal</i>	Scientific Main Session – keynotes Chair: Lone Ross Gobakken	
09:00-09:30	Durability and climate change - implications for wood building structures in Canada <u>Michael Lacasse</u>	19-50361
09:30-10:00	Wood Protection in Canada <u>Martin Tauvette</u> , Rod Stirling	19-50360
10:00-10:30	Towards better integration of wood protection in the forestry wood industry chain - a case study on hybrid poplar <u>Joris Van Acker</u>	19-50359
10:30-10:50	Coffee / Tea	
<i>Salle de bal</i>	Scientific Main Session – section papers Chairs: Magdalena Kutnik, Christian Brischke, Jun Zhang, Paul Merrick, Morten Klamer	
10:50-11:10	Section 1 - Biology From fungal detoxification systems to wood durability in neotropical forests T Perrot, G Salzet, N Amusant, J Duchene, <u>E Gelhaye</u>	19-10946
11:10-11:30	Section 2 – Test methodology and assessment Exploring the use of X-ray micro CT as a tool for the monitoring of moisture production and mass loss during lab-based fungal degradation testing <u>L De Ligne</u> , J Van den Bulcke, A De Muynck, J M Baetens, B De Baets, L Van Hoorebeke, J Van Acker	19-20654
11:30-11:50	Section 3 – Wood protection chemicals Biocidal effect of nano metal fluorides against brown-rot fungi <u>S M Usmani</u> , K Klutzny, I Stephan, E Kemnitz	19-30732
11:50-12:10	Section 4 – Processes and properties Improvement of wood decay and termite durability resulting from combined treatments based on borax/phenol-formaldehyde impregnation followed by thermal modification S Salman, M-F Thévenon, A Pétrissans, S Dumarçay, <u>P Gérardin</u>	19-40871
12:10-12:30	Section 5 – Sustainability and Environment Outbreak of timber pest in Philippines: A consequence of frequent typhoons <u>P Dhang</u>	19-50348
12:30-14:00	Lunch	

Programme

Parallel session A – special session		
<i>Salle de bal</i>	Knowledge transfer in Wood Protection Conveners: Christian Brischke & Dennis Jones	
14:00-14:20	Performance based specification of wood – Introducing project CLICKdesign <u>E Suttie</u> , C Brischke, E Frühwald Hansson, S Fortino, J Sandak, M Kutnik, G Alfredsen, C Lucas, R Stirling	19-20661
14:20-14:40	Service life planning of wooden structures: Mathematical prediction models versus professional experience <u>C Brischke</u> , J Niklewski, M Humar, G Alfredsen	19-20663
14:40-15:00	Start with “wood” <u>D Kržišnik</u> , M Humar	19-50353
15:00-15:20	Knowledge exchange and transfer from academia to industry in the field of wood protection research – Activities of the IRG-WP Communications Committee <u>F Latorre</u> , B Abbott, C Brischke, M Humar, D Jones, E Larnøy, L Nunes, A Preston, T Singh	19-50354
15:20-15:40	The InnovaWood Module Bank: Building an international e-learning platform for shared MSc courses in wood science and technology M Irle, U Kies, <u>H Militz</u> , P Sauerbier, M Vieux, A Prosic, B Wolfsberger, F Pichelin, I Mayer	19-50355
15:40-16:00	Coffee / Tea	
<i>Salle de bal</i>	Knowledge transfer in Wood Protection (cont.) Conveners: Christian Brischke & Dennis Jones	
16:00-16:20	Could an impregnation process be an innovation? X Luo, B Dang, Zn Chen, <u>S Li</u>	19-50357
16:20-16:40	GDR3544 “Science du Bois” - Academic and Industrial French Partnerships on Wood Science J Gril, R Marchal, <u>K Candelier</u>	19-50362
16:40-17:00	Word wrangling: the art of editing scientific publications <u>J Taylor</u>	19-50356
17:00-17:20	Questions and discussion	
17:20-17:40		
19:00-21:00	President’s RECEPTION (upon invitation)	

Programme

Parallel session B - Working Party Sessions		
Salle Frontenac	WP 3.1. Inorganic preservatives & WP 3.2. Organic preservatives Conveners: Mike Freeman & Frédéric Simon	
14:00-14:20	Accumulation of copper in parenchyma cells in southern pine wood treated with micronized and amine-copper preservatives D Feng, M L Turner, A Limaye, M A Knackstedt, <u>P D Evans</u>	19-20657
14:20-14:40	Use of resin obtained from Italian guayule crops for wood preservation purposes: some preliminary results <u>S Palanti</u> , E Conti, M Russo, F Stefani, C Querci	19-30736
14:40-15:00	Identification of Antifungal Compounds in Konjac Flying Powder and Assessment against Wood Decay Fungi Z Bi, F Yang, Y Lei, J J Morrell, <u>L Yan</u>	19-30737
15:00-15:20	Promoting Commercially Available Epoxy Resins for Non-biocidal Wood Preservation P Poveda, M Mubarak, S Dumarcay, M Montibus, I Le Bayon, M Kutnik, P Gérardin, <u>F Simon</u>	19-40877
15:20-15:40	Questions	
15:40-16:00	Coffee / Tea	
Salle Frontenac	WP 4.3. Treating processes & treatability of timber Conveners: Jinzhen Cao & Kevin Archer	
16:00-16:20	Mineralization of European oak with various ionic salt solutions to achieve an in situ precipitation of calcium oxalate <u>T Franke</u> , T Volkmer	19-40861
16:20-16:40	The Influence of Wood Included Salinity on Nail <u>R Nakano</u> , H Ishiyama, K Sakano	19-40863
16:40-17:00	Treatability of native and exotic alternative timber species D Page, <u>T Singh</u>	19-40864
17:00-17:20	Efficacy of microwave treatments against Pine Wood Nematode L Robertson, <u>M T Troya</u> , F Llinares, J C Cabrero	19-20658
17:20-17:40	Questions	
19:00-21:00	President's RECEPTION (upon invitation)	

Programme

Tuesday 14 May		
	Parallel session A – special sessions	
<i>Salle de bal</i>	Protecting Sustainable Wood Infrastructure Conveners: Jim Gauntt & Dallin Brooks	
08:30-08:50	Economic and Alternative Preservative Research with an Overview of its Impact on the Dynamics of Wood Tie Markets and Railroads <u>Jim Gauntt</u>	19-30751
08:50-09:10	2018 Railway Tie Survey and the Non-Hazardous Secondary Materials Rulemaking Activities <u>R Fronczak</u> , S Smith	19-50352
09:10-09:30	Protecting Sustainable Wood Infrastructure – Improving the Performance of Poles, Piles, Ties & Timbers with Dual Treatments <u>J Lloyd</u> , A Taylor, C Brischke, N Irby, M Manning	19-30735
09:30-09:50	COPPER NAPHTHENATE: A Product for All Seasons: Protecting the Americas' Infrastructure for Over 100 Years and Potential for Expanded Usage in Europe <u>M H Freeman</u> , J A Brient, J Lloyd, M Manning	19-30738
09:50-10:10	Protecting wood exterior infrastructures above ground in Spain. The importance of protection by design in the performance <u>D Lorenzo</u> , M Touza, J Fernández-Golfín, A Lozano, J Benito, M T Troya, L Robertson	19-40874
10:10-10:30	Visual assessment of longitudinal wheel timbers and assessing the feasibility of extending wheel timber service life in the UK railway network <u>J R Williams</u>	19-20651
10:30-10:50	Coffee / Tea	
<i>Salle de bal</i>	Protecting Sustainable Wood Infrastructure (cont.) Conveners: Jim Gauntt & Dallin Brooks	
10:50-11:10	Natural durability and performance of <i>Eucalyptus globulus</i> single family house in Spain after 17 years exposure <u>D Lorenzo</u> , M Touza, J Fernández-Golfín, A Lozano, J Benito	19-40873
11:10-11:30	Questions and discussion	

Programme

11:30-11:50		
11:50-12:10		
12:10-12:30		
12:30-14:00	Lunch	
<i>Salle de bal</i>	Mass Timber – Protecting its Potential Conveners: Adam Tayler & Davor Kržišnik	
14:00-14:20	Monitoring of the building made of CLT in Ljubljana <u>M Humar</u> , D Kržišnik, B Lesar, N Thaler, B Dujič	19-40860
14:20-14:40	Durability testing of mass timber building elements: a call for a collaborative trial <u>JJ Morrell</u>	19-40875
14:40-15:00	The impact of additional interior layers to the moisture dry-out and mould growth risk of CLT walls <u>V Kukk</u> , J Kers, T Kalamees	19-40876
15:00-15:20	Fungal damages in Norwegian massive timber elements – causes and measures <u>M S Austigard</u> , J Mattsson	19-40879
15:20-15:40	Engineered wood constructions in Brazil: the challenge of protection against biodeterioration for market growth <u>L F T di Romagnano</u> , S Brazolin, G A da Silva, G A C Lopez	19-40878
15:40-16:00	Discussion and questions	
16:00-16:20	Coffee / Tea	

Programme

<i>Salle de bal & Verchères</i>	Poster Session Convener: Joris Van Acker & Adam Tayler	
16:20-18:00	POSTER PRESENTATIONS – 3 min each	
P01	Preservative Treatment of CLT - An Example at Shimojishima Airport <u>J Lloyd</u> , N Yamashita, A Tayler	19-30748
P02	Adhesion durability of the thinnest CLT in Japan treated by solvent recovery system <u>K Kawakami</u> , W Ohmura	19-40882
P03	Experimental study on compressive strength performance of cross laminated timber with biodeterioration damage <u>T Mori</u> , Y Otsubo, R Inoue, M Ikeda, K Kambara, W Ohmura	19-40883
P04	Development of accelerated decay test for CLT using a fungus grown on agar medium <u>T Miyauchi</u> , K Kambara, W Ohmura, T Mori, H Matsunaga, N Hattori	19-20664
P05	Application of nano metal fluorides against termites <u>S M Usmani</u> , K Klutzny, Y de Laval, R Plarre, D McMahon, I Stephan, T Hübert, E Kemnitz	19-30733
P06	Wood veneer with high flexibility decorated with nanoparticles for highly efficient water treatment <u>S Chang</u> , D Xu, G Liu, J Hu, X Li, Y Liu	19-50347
P07	Visualization of Feeding Process of Larvae of the Wood-boring Beetles Using X-ray Computer Tomography <u>Y Yanase</u> , H Watanabe, I Fujimoto, T Yoshimura, Y Fujii	19-10953
P08	Characterization of Pectinases from Brown-rot Fungus <i>Fomitopsis palustris</i> <u>Y Tanaka</u> , N Konno, T Suzuki, N Habu	19-10951
P09	Wood natural durability an asset to the circular economy of wood industry: valorization of waste from sawmills for the cosmetics sector through the ValorExtr@ct project <u>N Amusant</u> , J Passelande, D Fernand, J Beauchène, E Houel, M Royer	19-10954
P10	Effect of pretreatment of wood surfaces with a copper monoethanolamine solution on the natural weathering performance of semitransparent stains <u>S Isaji</u> , H Shibui, Y Hirabayashi	19-40881
P11	Using X-ray micro-CT to evaluate density loss in anobiid infested wood J L Parracha, M F Pereira, A Maurício, P Faria, <u>L Nunes</u>	19-10956
P12	Wood Protection Through Diffusion: Dimensional Stabilisation with Amine Oxides	19-30747

Programme

	<u>S Pepin</u> , P Blanchet, V Landry	
P13	Alternative products enhancing dimensional stability comparing to conventional treated products in Japan <u>K Yamamoto</u> , D Tezuka, Y Sugai, S Maeda, I Momohara	19-40885
P14	Penetration pathway of oilborne preservative in heartwood of Japanese larch (<i>Larix kaempferi</i>) <u>H Shibui</u> , T Miyauchi, T Shigeyama, M Ikeda, Y Sugai	19-40886
P15	Effect of Nano-Copper Oxide on Decay Resistance of Pistachio Twig -Plastic Composite <u>M R Mastery Farahani</u> , S Pourabdollah	19-30750
P16	Exemplary aboveground hardwood protection from <i>Coptotermes curvignathus</i> under weathered conditions conferred by proprietary microemulsion-based cypermethrin (SARPECO®) and permethrin (AXIL®) biocides D Messaoudi, <u>A H H Wong</u> , C A D Tawi, N Bourguiba, O Fahy	19-30749
P17	Influence of Drying Condition of Wood on Rusting of Nail <u>H Ishiyama</u> , N Wada, T Nishimura, T Mori	19-40887
	Posters without presentation	
PW01	Facile in-situ growth of Ag-TiO₂ nanoparticles on polydopamine modified bamboo with excellent mildew-proofing <u>J Hu</u> , Z Lu, G Liu, S Chang, Y Liu, X Li	19-30734
PW02	Diversity of wood decay fungi isolated from ground-contact wood stakes in Korea <u>S-M Yoon</u> , M-J Kim, W-J Hwang, Y-S Choi, D-W Son	19-10952
PW03	Molecular identification of marine borers causing wood deterioration on marine facilities in Korea <u>S-M Yoon</u> , M-J Kim, W-J Hwang, Y-S Choi, D-W Son	19-10955
	Poster session	

Programme

Tuesday 14 May		
	Parallel session B - Working Party Sessions	
Salle Frontenac	WP 1.4. Natural durability Conveners: Rebecca Ibach & Kevin Candelier	
10:50-11:10	Identifying the fungal community on western redcedar (<i>Thuja plicata</i>) wood in field tests above and in ground contact exposure: preliminary results <u>A Dale</u> , S Kus, R Stirling	19-10939
11:10-11:30	Decay and water resistance of Siberian and European larch wood <u>B Lesar</u> , D Kržišnik, M Humar	19-10941
11:30-11:50	Natural durability of four Tunisian Eucalyptus wood species and their respective compositions in extractives S Ben Ayed, M T Elaieb, S Dumarçay, B De Freitas Homen De Faria, M-F Thévenon, P Gérardin, <u>K Candelier</u>	19-10942
11:50-12:10	Chemical defense of trees and wood natural durability: from protection to valorization <u>E Houël</u> , D Stien, N Amusant	19-10943
12:10-12:30	Effectiveness of <i>Gleditsia triacanthos</i> heartwood extractives as wood protector <u>C M Ibáñez</u> , C Mantero, P Raimonda, X Pintos, A Camargo, E Pereira	19-10950
12:30-14:00	Lunch	
Salle Frontenac	WP 1.4. Natural durability (cont.) Conveners: Rebecca Ibach & Kevin Candelier	
14:00-14:20	Determining the natural durability on xylarium samples: mini-block test, wood powder and chemical profiling <u>V Deklerck</u> , L De Ligne, J Van den Bulcke, E Espinoza, H Beeckman, J Van Acker	19-10944
14:20-14:40	<i>Coula edulis</i> Baill an unknown wood species as an alternative to the main durable wood species used in Gabon <u>C S A Bopenga Bopenga</u> , S Dumarçay, P Edou Engonga, P Gérardin	19-10945
Salle Frontenac	WP 2.2. Microbial test methodology & WP 2.4. International Standardisation Conveners: Susanne Bollmus & Eric Gelhaye	
14:40-15:00	Impact of water holding capacity and moisture content of soil substrates on the moisture content of wood	19-20662

Programme

	in terrestrial microcosms C Brischke, F L Wegener	
15:00-15:20	Performance of untreated timbers in above ground decking tests: Preliminary results from an international collaborative trial L P Francis, J Norton, E Melcher, A H H Wong, J Kok Lai, M Klamer, M J Konkler, J J. Morrell	19-10940
15:20-15:40	Durability classification of preservative treated and modified wood S Bollmus, L Bächle, C Brischke, H Militz	19-20659
15:40-16:00	Questions	
16:00-16:20	Coffee / Tea	
Salle de bal & Verchères	Poster Session Convener: Joris Van Acker	
16:20-17:20	(see page 7-8)	

Programme

Wednesday 15 May		
	Parallel session A - Working Party Sessions	
<i>Salle de bal</i>	WP 4.1. Chemical wood modification Conveners: Ferry Bongers & Holger Militz	
08:30-08:50	The use of bicine and tricine as possible Maillard reagents in a combined thermal/chemical modification of beech <u>D Jones</u> , C-M Popescu, D Kržišnik, M Hočevár, M Humar, M-C Popescu	19-40852
08:50-09:10	Wood chemistry completes natural durability as criteria for shorting best provenances in the improvement of teakwood quality: case of five provenances from Ivorian Séguié's trial <u>G Liu</u> , D Xu, S Chang, J Hu, Xianjun Li5, Y Liu	19-40853
09:10-09:30	Development of beech wood thermo-chemical modification treatments based on different vinyllic derivatives of glycerol and polyglycerol <u>M Mubarak</u> , S Dumarçay, H Militz, K Candelier, M-F Thevenon, P Gerardin	19-40855
09:30-09:50	Dimensional stability and decay resistance of montmorillonite- furfuryl alcohol modified wood <u>L Zhang</u> , J Cao	19-40856
09:50-10:10	Study on the ability of wood-destroying fungi to grow through chemically modified wood <u>L Emmerich</u> , S Strohbusch, C Brischke, S Bollmus, H Militz	19-40858
10:10-10:30	Improvement in dimensional stability and Ultra violet resistance of wood through impregnation by liquefied wood polyols <u>A Kumar</u> , A John, T S Mehra	19-40884
10:30-10:50	Coffee / Tea	
<i>Salle de bal</i>	WP 4.4. Coatings, hydrophobic treatments and surface aspects Conveners: Laurence Podgorski & Phil Evans	
10:50-11:10	Color change of timber exposed outdoors - Influence of season exposure test starts <u>K Usami</u> , H Ishiyama	19-40865
11:10-11:30	Gloss and hardness variations as early indicators of wood coating failure during weathering tests <u>L Podgorski</u>	19-40866

Programme

11:30-11:50	Effect of damage to polyurea coatings on metal losses from ammoniacal copper zinc arsenate treated Douglas-fir pile sections <u>M J Konkler, J J Morrell</u>	19-40867
11:50-12:10	Potential Use of the Pigment from <i>Scytalidium cuboideum</i> and <i>Chlorociboria aeruginosa</i> as an UV-light Protection Additive in Oil Finishes <u>S M Vega Gutierrez, D W Stone, R He, P T Vega Gutierrez, Z M Walsh, S C Robinson</u>	19-40868
12:10-12:30	Charring of Norway spruce wood surface – an alternative surface modification technique? <u>M Petrič, M Pavlič, J Žigon</u>	19-40870
12:30-12:50	Biosourced hybrid phenolic resins as coatings for the protection of wood and wood composites <u>P L de Hoyos-Martínez, R Herrera, J Labid, F Charrier El Bouhtoury</u>	19-30745
13:10	Excursion – including lunch package and dinner	

Programme

Wednesday 15 May		
	Parallel session B - Working Party Sessions	
Salle Frontenac	WP 5.1. Environment & WP 5.2. Sustainability Conveners: Liselotte De Ligne & Morten Klamer	
08:30-08:50	Incidence of treated wood in a wood recycling facility in Western Oregon, USA: an update <u>JJ Morrell</u>	19-50346
08:50-09:10	Study on Nailed Joint with Iron Contamination. Part1: Shear Performance of Nailed Joint with Iron Contamination <u>R Nakano</u> , D Nakano, H Ishiyama	19-50349
09:10-09:30	Study on Nailed Joint with Iron Contamination. Part 2: Elucidation of the Occurrence Condition of Iron Contamination <u>D Nakano</u> , R Nakano, H Ishiyama	19-50350
09:30-09:50	Wood protection techniques and natural weathering: their effect on aesthetics and preference of people <u>A D Lipovac</u> , M D Burnard, A Sandak, J Sandak	19-50351
09:50-10:10	Terrestrial laser scanning (TLS) – a potential tool for improved utilisation of the natural durability of Scots pine for solid wood products <u>P-O Flæte</u>	19-50358
10:10-10:30	Questions	
10:30-10:50	Coffee / Tea	
Salle Frontenac	WP 3.3. Performance – lab and field tests Conveners: Sabrina Palanti & Lukas Emmerich	
10:50-11:10	Boron dual-treatments for Douglas-fir utility poles: Tracking boron migration over time J Cappellazzi, M J Konkler, <u>JJ Morrell</u>	19-30739
11:10-11:30	Chemical Analysis of Southern Pine Pole Stubs Sixty Months Following Treatment with a Methylisothiocyanate-Based Solid Fumigant Stick <u>D J Herdman</u> , T Pope, R R Browning	19-30740
11:30-11:50	Relative efficacy of various oxine copper formulations against brown-rot fungi	19-30741

Programme

	<u>M Petruch, J Lloyd, A Taylor</u>	
11:50-12:10	Performance of field cut preservatives above-ground and in ground contact exposures <u>R Stirling, D Wong</u>	19-30742
12:10-12:30	Alternative fumigants to Methyl Bromide for wood products: Review of the development and preliminary tests of Ethane Dinitrile (EDN) in Canada <u>A Uzunovic</u>	19-30743
12:30-12:50	H2 hazard class aboveground termite test of rubberwood and kelempayan dip-treated with EC formulations of chlorpyrifos, cypermethrin and permethrin against <i>Coptotermes curvignathus</i> <u>C A D Tawi, A H H Wong</u>	19-30746
13:10	Excursion – including lunch package and dinner	

Programme

Thursday 16 May		
Parallel session A - Working Party Sessions		
<i>Salle de bal</i>	WP 1.2. Basidiomycetes & WP 1.6. Cultural Artifact Protection Conveners: Wibke Unger & Mari S Austigard	
08:30-08:50	Non-stoichiometric oxidation and ROS generation promoted by guaiacol lignin structures and lignocellulose surfaces may be a component of brown rot fungal degradation mechanisms Y Tamaru, M Yoshida, L D Eltis, <u>B Goodell</u>	19-10937
08:50-09:10	Difference of wood decay manner between brown-rot species <u>R Kondo</u> , Yo Horikawa, S Nakaba, K Ando, M Yoshida	19-10938
09:10-09:30	Biodiversity of wood-decaying fungi in French Guiana sequences of the small subunit (SSU) of ribosomal (r) DNA and the two primer pairs SR6/SR10R and SR7/SR1R C Zaremski, A Ducouso-Détrez, N Amusant, A Zaremski	19-10936
09:30-09:50	Green Coloration of Wood in the Forest and Laboratory by <i>Chlorociboria</i> spp. – Applications for Furniture Restoration S Krause, <u>W Unger</u> , P Heydeck	19-10947
09:50-10:10	Study on “Washing” used in Traditional Wooden Building in Japan -Survey in Kawaramachi Area, Gifu Prefecture <u>K Tanaka</u> , H Ishiyama	19-10948
10:10-10:30	An Historical Roof Timber System in the Old Town of Berlin-Spandau M Lüke, <u>W Unger</u> , D Nellessen	19-10949
10:30-10:50	Coffee / Tea	
<i>Salle de bal</i>	WP 3.4. Fire retardants, WP 4.2. Wood composites, WPCs and Engineered wood products & WP 4.5. Thermal wood modification Conveners: Elena Conti & Boštjan Lesar	
10:50-11:10	The development of a suitable fire retardant for Radiata pine and other species <u>B R Derham</u> , M R Fortune	19-30744
11:10-11:30	Potential of totora and derivatives as sustainable lignocellulosic material J F Hidalgo-Cordero, D Casado, J García, L Robertson, <u>M T Troya</u>	19-40859

Programme

11:30-11:50	An overview of recent studies involving the thermal modification of hardwood species <u>D Jones</u> , M Gaff, F Kačík	19-40869
11:50-12:10	The anti-weathering mechanism of extractives in thermally modified Scots pine H Shen, <u>J Cao</u>	19-40880
12:10-12:30	Questions	
12:30-14:00	Lunch	

Programme

Thursday 16 May		
Parallel session B - Working Party Sessions		
<i>Salle Frontenac</i>	WP 2.3. Chemical/physical analysis Conveners: Anna Sandak & Bruce Breedt	
08:30-08:50	The Structural Performance of the Nail Driven into the Decayed Wood <u>N Wada</u> , H Isiyama	19-20652
08:50-09:10	Chemical composition, antitermite and antifungal activity of <i>Dacryodes edulis</i> oleoresin <u>W F Bedounguindzi</u> , K Candelier, P E Engonga, Se Dumarcaay, M-F Thevenon, P Gerardin	19-20653
09:10-09:30	Improvement of analytical methods of wood preservatives and its validation with collaborative testing <u>T Miyauchi</u> , K Yamamoto, N Shota, Y Akabori, M Ikeda, J Eisawa, K Kambara, T Osawa, C Igarashi, Y Baba, W Ohmura, M Shimizu, M Samejima	19-20655
09:30-09:50	Hydroxyl accessibility - A brief review of deuterium exchange studies on modified wood G Beck, C Hill, <u>G Alfredsen</u>	19-20656
09:50-10:10	Using X-ray scattering to elucidate the mechanisms behind the moisture and fungal decay resistance of epoxybutene modified Wood <u>R E Ibach</u> , N Plaza	19-40854
10:10-10:30	Validation by micro-computed tomography of an assessment method to measure the residual strength of anobiids infested timber <u>J L Parracha</u> , M F Pereira, A Maurício, P Faria, L Nunes	19-20650
10:30-10:50	Coffee / Tea	
<i>Salle Frontenac</i>	WP 2.1. Prediction of service life Conveners: Angela Dale & Per Otto Flæte	
10:50-11:10	Performance of modified wood in service - multi-sensor data fusion and its multi-way analysis <u>A Sandak</u> , J Sandak, M Cocchi	19-20660
11:10-11:30	Comparative performance of wood/wood-based claddings predicted by four hygrothermal simulation tools <u>M Defo</u> , M Lacasse, A Laouadi	19-20646

Programme

11:30-11:50	Performance of wood decking after 5 years of exposure: verification of the combined effect of wetting ability and durability <u>M Humar</u> , D Kržišnik, B Lesar, C Brischke	19-20647
11:50-12:10	Durability by design – a case study of the performance of wooden decks after 9.5 years of natural weathering <u>M Kutnik</u> , M Montibus	19-20648
12:10-12:30	Quantifying the effect of microclimatic parameters on the moisture-induced decay risk of wooden structures <u>L Emmerich</u> , C Brischke	19-20649
12:30-14:00	Lunch	

Programme

Thursday 16 May		
<i>Salle de bal</i>	Scientific Plenary Session – Discussion Forum Session Chairs: Lone Ross Gobakken & Alan Preston	
14:00-15:30	<p><i>“The 50th anniversary of IRG-WP – the past, present and the future”</i></p> <p>50 years of the IRG: A perspective <u>J Jermer, A Preston</u></p> <p>Supporting the IRG: A sponsors viewpoint <u>P Meckler</u></p> <p>How shall we bring IRG-WP into the future? <u>L R Gobakken</u></p> <p style="text-align: center;">Discussion</p>	
15:30-16:00	Coffee / Tea	
<i>Salle de bal</i>	Final Plenary Session President: Joris Van Acker Vice-President: Lone Ross Gobakken Secretary-General: Mats Westin	
16:00-17:00	<p>7. Approval of membership fees for 2020</p> <p>8. Approval of the budgets for 2019 (forecast May 2019) and 2020</p> <p>9. Election of new officers Executive Council, Scientific Programme Committee, Communication Committee, Information on EC appointments</p> <p>10. IRG Secretariat and Secretary-General</p> <p>11. Appointment of auditors</p> <p>12. Future venues IRG 51: June 7-11 2020, Bled, Slovenia. IRG 52: May 9-13 2021 Numazu City, Japan. IRG53: June 2022, Norway.</p> <p>13. Any other business</p>	<p>19-60456</p> <p>19-60457</p>
19:30	CONFERENCE BANQUET (Fairmont Chateau Frontenac, Salle de bal)	