

Tuesday 20 June SESSION POSTERS 1-7

Time	Presenting Author Name	Paper Title	DOI-link
Session 1	12:30-13:30 Moderator: Salem, Sam	Room 201 Theme: 3.1 Connections + 3.2 Fire engineering	
12:30	Joshua Woods	STRUCTURAL PERFORMANCE OF GLULAM TIMBER-STEEL BRACE CONNECTIONS REINFORCED WITH SELF-TAPPING SCREWS	https://doi.org/10.52202/069179-0152
12:34	Keonho Kim	EVALUATION OF BEARING STRENGTH PERFORMANCE OF STS CONNECTION ACCORDING TO BEARING SECTION ON LOADING DIRECTION	https://doi.org/10.52202/069179-0169
12:38	Tsubasa Seguchi	JOINT PERFORMANCE TESTING OF A CLAMPED JOINT FOR TIMBER STRUCTURES AND APPLICATION TO STRUCTURAL DESIGN	https://doi.org/10.52202/069179-0175
12:42	Shizuka Matsushita	A NEW METHOD FOR MODELLING TEMPERATURE WITHIN STEEL BAR - TIMBER COMPOSITE BEAM USING DATA BY BURNING TEST	https://doi.org/10.52202/069179-0212
12:46	Shizuka Matsushita	BURNING TEST OF STEEL BAR - TIMBER COMPOSITE BEAM	https://doi.org/10.52202/069179-0216
12:50	Hirokatsu Kimura	MEASUREMENT OF DIRECTIONAL CHARACTERISTICS OF MOISTURE TRANSPORTATION IN WOOD UNDER HEATING	https://doi.org/10.52202/069179-0222
12:54	Johannes A. J. Huber	USING X-RAY COMPUTED TOMOGRAPHY TO MEASURE FIRE DEGRADATION OF A TIMBER CONNECTION	https://doi.org/10.52202/069179-0206
Session 2	12:30-13:30 Moderator: Danielsson, Henrik	Room 202 Theme: 3.5 Structural modelling, analysis & design	
12:30	Toko Kamata	OF SMALL-SCALE TIMBER CONSTRUCTION SYSTEM "BI-TREE STRUCTURE" WITH SMALL-DIAMETER TIMBER	https://doi.org/10.52202/069179-0302
12:34	Daisuke Oikawa	ESTIMATION METHOD OF DEGRADATION STATE FOR TIMBER BRIDGES USING VIBRATION ANALYSIS	https://doi.org/10.52202/069179-0311
12:38	Koji Kubo	STUDY OF THE EFFECT OF SEISMIC REINFORCEMENT USING CFRTP STRANDS ON WOODEN BUILDINGS	https://doi.org/10.52202/069179-0316
12:42	Pablo Guindos	A new multi-spring element to simulate CLT connections under combined loadings	https://doi.org/10.52202/069179-0373
12:46	Nadja Manser	TIMBER-FRAMED SHEAR WALLS WITH LARGE OPENINGS AS PART OF THE LATERAL FORCE-RESISTING SYSTEM - OPTIMIZATION OF THE SHEATHING TO FRAMING CONNECTION LAYOUT	https://doi.org/10.52202/069179-0352
12:50	Masato Nakao	A STUDY ON THE SEISMIC PERFORMANCE OF SHEAR WALLS UNDER A DYNAMIC LOAD	https://doi.org/10.52202/069179-0357
12:54	Masato Nakao	STRUCTURAL PERFORMANCE EVALUATION OF A TIMBER HOUSE USING NEW CONSTRUCTION SYSTEM WITH CLT HORIZONTAL DIAPHRAGM	https://doi.org/10.52202/069179-0358
Session 3	12:30-13:30 Moderator: Dietsch, Philipp	Room 203 Theme: 3.7 International Codes & Timber engineering + 3.8 Mixed, composite & hybrid structures	
12:30	Carlito Calil Junior	WOOD DURABILITY BASED IN THE NEW BRAZILIAN TIMBER STRUCTURES CODE ABNT NBR 7190: 2022	https://doi.org/10.52202/069179-0397
12:34	Carlito Calil Junior	THE NEW BRAZILIAN TIMBER STRUCTURES CODE NBR7190/2022	https://doi.org/10.52202/069179-0399
12:38	Felipe Icimoto	STRUCTURAL CHARACTERIZATION OF NATIVE SPECIES ACCORDING TO THE NEW BRAZILIAN STANDARD ABNT NBR 7190: 2022 – PART 4	https://doi.org/10.52202/069179-0402
12:42	Samuel Cuierrier Auclair	TECHNICAL DESGIN GUIDE FOR TIMBER-CONCRETE COMPOSITE FLOORS – A CANADIAN APPROACH	https://doi.org/10.52202/069179-0312
12:46	Marc Oudjene	FINITE ELEMENT MODELLING OF HYBRID WOOD/ALUMINIUM ASSEMBLY WITH WOOD-FILLED ALUMINIUM AND STEEL DOWELS	https://doi.org/10.52202/069179-0415
12:50	Keisuke Hayata	EXPERIMENT ON AXIAL CAPACITY-BENDING CAPACITY RELATIONSHIP OF STEEL BAR-TIMBER COMPOSITE COLUMN	https://doi.org/10.52202/069179-0416
12:54	Tsukasa Ueno	EFFECTS OF ELEVATED TEMPERATURE ON BENDING CAPACITY OF STEEL BAR-TIMBER COMPOSITE BEAM	https://doi.org/10.52202/069179-0418
12:58	Lei Zhang	NAIL-LAMINATED TIMBER-CONCRETE COMPOSITE BEAWITH NOTCHED CONNECTIONS AND STEEL FIBRE REINFORCEMENT	https://doi.org/10.52202/069179-0421
13:2	Shogo ODA	TECHNICAL CONCEPT AND FEASIBILITY OF STEEL SHEET REINFORCED SYNTHETIC WOOD BEAM	https://doi.org/10.52202/069179-0428
13:6	Fabiana Moritani	ANALYTICAL AND EXPERIMENTAL STUDY ON REVERSIBLE STEEL-TIMBER COMPOSITE CONNECTION SYSTEMS	https://doi.org/10.52202/069179-0438
13:10	Sam Salem	EXPERIMENTAL TESTING OF SMALL-SCALE TIMBER-CONCRETE COMPOSITE BEAUTILIZING ADHESIVE SHEAR CONNECTIONS	https://doi.org/10.52202/069179-0440
Session 4	12:30-13:30 Moderator: Loss, Cristiano	Room 104 Theme: 1.1 Structural performance of materials	
12:30	Alex Sixie Cao	PENDULUM IMPACT HAMMER TESTS ON TIMBER BEA– EXPERIMENTAL SETUP	https://doi.org/10.52202/069179-0002
12:34	Shengdong Zhang	BEHAVIOR OF TIMBER BEASTRENGTHENED WITH CFRP	https://doi.org/10.52202/069179-0004
12:38	Morten Voss	RAPID BONDING OF TIMBER STRUCTURES	https://doi.org/10.52202/069179-0047
12:42	Marina Totstuka	COMPRESSIVE STIFFNESS PARALLEL TO GRAIN IN TIMBER	https://doi.org/10.52202/069179-0035
12:46	Sora Sunakozawa	STUDY ON THE RELATIONSHIP BETWEEN INTERLAYER DEFORMATION ANGLE AND TORN WALLPAPER OF WOODEN HOUSES	https://doi.org/10.52202/069179-0040
12:50	Juan Castro	MECHANICAL PROPERTIES OF GLUE LAMINATED TIMBER BY SMALL SIZE TREE SPECIES (CASE STUDY OF OKINAWAN FOREST)	https://doi.org/10.52202/069179-0013
12:54	Johan Vessby	STRUCTURAL USE OF CUT-OFFS FROM CLT-PRODUCTION – THREE EXAMPLES THAT UTILIZE THE UNIQUE PROPERTIES	https://doi.org/10.52202/069179-0019
12:58	Hiroto Suesada	EXPERIMENTAL STUDY ON CHARACTERISTIC VALUES OF PARTIAL COMPRESSION PERPENDICULAR TO THE GRAIN OF HARDWOOD WITH EDGE DISTANCE ORTHOGONAL TO THE LONGITUDINAL DIRECTION	https://doi.org/10.52202/069179-0020
13:2	Esti Nurdiah	BAMBOO GRIDSHIELD: FROM THE MATERIAL TO THE STRUCTURE	https://doi.org/10.52202/069179-0023
13:6	Daniel Lima	COMPARISON BETWEEN EXPERIMENTAL RESULTS AND DESIGN EQUATIONS OF ARTIFICIALLY DEGRADED SINGLE STEP JOINTS	https://doi.org/10.52202/069179-0039
Session 5	12:30-13:30 Moderator: Salenikovich, Alexander	Room 105 Theme: 5.2 Case studies and visions + 5.4 Industry strategies to improve modern timber use in constructions	
12:30	Elias Mohr Wilson	NEW HQ COPENHAGEN A NEW STANDARD FOR SUSTAINABLE BUILDINGS IN AN INTERNATIONAL CORPORATION	https://doi.org/10.52202/069179-0557
12:34	Knut Magnar Sandland	THE BV2020 SOLUTION - GOING BIG WITH LIGHT TIMBER STRUCTURES	https://doi.org/10.52202/069179-0553
12:38	Alexander Pogoreltsev	RIGID JOINTS ON GLUED-IN RODS OF BENDING AND COMPRESSIONBENDING ELEMENTS OF LARGE-SPAN LAMINATED TIMBER STRUCTURES	https://doi.org/10.52202/069179-0546
12:42	Carlito Calil Neto	THE FIRST MASSIVE TIMBER BUILDING IN BRAZIL	https://doi.org/10.52202/069179-0548
12:46	Phil. Antje Klitkou	TOWARDS A BROADER USE OF WOODEN CONSTRUCTION MATERIALS: INTERMEDIARY ORGANISATIONS IN THE SUSTAINABILITY TRANSITION OF THE CONSTRUCTION SECTOR	https://doi.org/10.52202/069179-0591
Session 6	12:30-13:30 Moderator: Nygaard, Marius	Room 106 Theme: 4 Timber Architecture Mixed session	
12:30	Andreas Loth	USAGE OF A BAMBOO HONEYCOMB STRUCTURE (COMBOO) IN TIMBER ARCHITECTURE	https://doi.org/10.52202/069179-0480
12:34	Roberto Lecomte De Mello	AMAZONIAN MASS TIMBER IN THE NEW CIPEM'S HEADQUARTERS - BRAZIL	https://doi.org/10.52202/069179-0486
12:38	Harrison Huang	INTEGRATING TIMBER PANEL ELEMENTS INTO HISTORIC CHINESE TIMBER-FRAMED HOUSES TO ENHANCE MULTIPLE BUILDING PERFORMANCES	https://doi.org/10.52202/069179-0487
12:42	Edward Becker	MODULAR CONSTRUCTION WITH LOW-GRADE HARDWOOD CROSS-LAMINATED TIMBER	https://doi.org/10.52202/069179-0490
12:46	Cory Olsen	MASS TIMBER, SMALL FORMAT: OPEN SOURCE FURNITURE PROTOTYPING FROM MASS TIMBER SCRAPS	https://doi.org/10.52202/069179-0491
12:50	Katarzyna Ostapska	DEVELOPING SLIMMER WINDOW TIMBER FRAME.	https://doi.org/10.52202/069179-0497
12:54	Dehong Li	ALCOHOLS AS A PHASE CHANGE MATERIAL WITH EXCELLENT THERMAL STORAGE PROPERTIES IN BUILDINGS	https://doi.org/10.52202/069179-0500
12:58	Gabriele Tamagnone	THE NEW CENTRE FOR ADVANCED TIMBER TECHNOLOGY: A LIVING LAB FOR DESIGNERS, INDUSTRY, AND EDUCATION	https://doi.org/10.52202/069179-0555
Session 7	12:30-13:30	Room 107 - No program	

