

Time	Presenting Author Name	Paper Title	DOI-link
Session 43 08:00-09:30 Room 201			
Moderator: Toumpanaki, Eleni		Theme: 3.1 Connections	
08:00	Tsuyoshi Akutagawa	AN EXPERIMENTAL STUDY ON SHEAR PERFORMANCE OF CLT DOWEL JOINTS WITH SHEAR PLATES	https://doi.org/10.52202/069179-0188
08:15	Jørgen Tycho	HASLETRE: NORWAY'S FIRST TIMBER OFFICE BUILDING DESIGNED FOR DISASSEMBLY AND REUSE	https://doi.org/10.52202/069179-0202
08:30	Petr Sejkot	BEAM-ON-ELASTIC FOUNDATION MODEL OF MECHANICAL PROPERTIES OF RING NAILS AND HEAVY-DUTY SCREWS	https://doi.org/10.52202/069179-0190
08:45	Petr Sejkot	DUCTILITY OF WOOD CONNECTIONS WITH SDS SCREWS OR RING NAILS AND ANGLE BRACKETS6	https://doi.org/10.52202/069179-0191
Session 44 08:00-09:30 Room 202			
Moderator: Massaro, Francesco Mirko		Theme: 3.4 Cyclic loading, earthquakes & fatigue	
08:00	Félix Bouffard	DYNAMIC PERFORMANCE OF A FULL-SCALE WOOD FRAME SUBJECTED TO CYCLIC LOAD TESTING	https://doi.org/10.52202/069179-0269
08:15	Yuxin Pan	EXPERIMENTAL PARAMETER STUDY ON CLT SHEAR WALLS WITH HIGH-PERFORMANCE SELF-TAPPING SCREW CONNECTIONS	https://doi.org/10.52202/069179-0270
08:30	Carla Dickof	YIELD MECHANISM OF PERFORATED PLATE CONNECTIONS FOR MASS TIMBER SYSTEMS	https://doi.org/10.52202/069179-0273
08:45	Giuseppe D'Arenzo	EXPERIMENTAL CHARACTERISATION OF GLULAM SHEAR WALLS UNDER LATERAL CYCLIC LOADING	https://doi.org/10.52202/069179-0274
09:00	Marjan Popovski	SEISMIC RESPONSE OF BALLOON TYPE CLT SHEAR WALLS	https://doi.org/10.52202/069179-0297
09:15	Shuhei Uesugi	CYCLIC LOAD TESTS AND NUMERICAL ANALYSIS OF CLT SHEAR WALLS WITH GIR JOINTS	https://doi.org/10.52202/069179-0275
Session 45 08:00-09:30 Room 203			
Moderator: Schenk, Martin		Theme: 3.5 Structural modelling, analysis & design	
08:00	Huifeng Yang	NUMERICAL ANALYSIS ON SEISMIC BEHAVIOUR OF TIMBER FRAME STRUCTURE WITH HYBRID SCREWED-IN ROD CONNECTIONS	https://doi.org/10.52202/069179-0359
08:15	Ruite Qiang	NUMERICAL MODELING ANALYSIS OF HIGH-CAPACITY SHEAR WALLS WITH MULTIPLE ROWS OF NAILS	https://doi.org/10.52202/069179-0360
08:30	Martina Sciomenta	BUCKLING ANALYSES OF CROSS LAMINATED TIMBER PANELS	https://doi.org/10.52202/069179-0361
08:45	Francisco Flores	EFFECTS OF CONSTANT AND ELF STRENGTH PROFILES ON THE PERFORMANCE OF WOOD FRAME SHEAR WALL STRUCTURES	https://doi.org/10.52202/069179-0363
09:00	Damian Oliveira	AN ANALYTICAL MODEL TO INVESTIGATE THE EFFECT OF DIAPHRAGON THE ELASTIC BEHAVIOUR OF MULTI-STOREY COUPLED-PANEL CLT SHEARWALLS	https://doi.org/10.52202/069179-0364
09:15	Weichi Pang	DEFLECTION OF CANTILEVER CROSS-LAMINATED TIMBER DIAPHRAGUNDER IN-PLANE LOAD	https://doi.org/10.52202/069179-0365
Session 46 08:00-09:30 Room 104			
Moderator: Franke, Steffen		Theme: 1.1 Structural performance of materials	
08:00	Daniel Lacroix	DEVELOPMENT OF MATERIAL MODEL FOR PREDICTING THE STRENGTH OF FRP-REINFORCED BEAMS	https://doi.org/10.52202/069179-0028
08:15	Amal Rebhi	DAMAGE MODEL FOR A BIOSOURCED HETEROGENEOUS MATERIAL: APPLICATION TO TIMBER	https://doi.org/10.52202/069179-0029
08:30	Giovanni Metelli	PRELIMINARY TEST RESULTS ON THE IN-PLANE STRENGTHENING OF TIMBER FLOORS WITH THE DOUBLE PLANKING TECHNIQUE	https://doi.org/10.52202/069179-0049
08:45	Josef Füssl	SIMULATION OF WOOD FRACTURE MECHANICS USING THE PHASE FIELD METHOD FOR FRACTURE	https://doi.org/10.52202/069179-0053
09:00	Florian Brandstätter	NUMERICAL SIMULATION OF MOISTURE INDUCED CRACKING IN INDOOR CLIMATE	https://doi.org/10.52202/069179-0054
Session 47 08:00-09:30 Room 105			
Moderator: Carcamo, Sebastian		Theme: 5.3 Public incentives and strategies	
08:00	Juan José Ugarte	DESIGN OF THE ROADMAP FOR THE WOODEN CONSTRUCTION OF SOCIAL HOUSING BUILDINGS IN URUGUAY	https://doi.org/10.52202/069179-0582
08:15	Christina Wijeratne	INVESTING IN MASS TIMBER CONSTRUCTION IN AUSTRALIA: THE CLEAN ENERGY FINANCE CORPORATION TIMBER BUILDING PROGRAM	https://doi.org/10.52202/069179-0590
08:30	Mohammad Mohammad	RECENT ADVANCEMENT IN MASS TIMBER CONSTRUCTION TECHNOLOGIES IN CANADA	https://doi.org/10.52202/069179-0589
08:45	Aída Santana Sosa	STATUS QUO OF AUSTRIAN TIMBER CONSTRUCTION SECTOR	https://doi.org/10.52202/069179-0592
09:00	Silje Marie Svartefoss	THE ROLE OF BOARD INTERLOCKS IN INCREASING THE USE OF WOOD IN CONSTRUCTION	https://doi.org/10.52202/069179-0593
09:15	Ulrich Dangel	MATERIAL DISRUPTION: CROSS-LAMINATED TIMBER IN TEXAS	https://doi.org/10.52202/069179-0587
Session 48 08:00-09:30 Room 106			
Moderator: Schober, Kay-Uwe		Theme: 4.7 Exploration & restoration of existing structures	
08:00	Ai Phien Ho	TESTING OF CONNECTIONS TAKEN FROM OLD NAILED ROOF TRUSSES	https://doi.org/10.52202/069179-0529
08:15	Michele Mirra	INFLUENCE OF MOISTURE CONTENT ON THE ASSESSMENT OF DECAY LEVELS BY MICRO-DRILLING MEASUREMENTS IN WOODEN FOUNDATION PILES	https://doi.org/10.52202/069179-0530
08:30	Nelson Brito	SCALING UP ENGINEERED TIMBER FOR NEIGHBOURHOOD SCALE DEEP RENOVATION: FINDINGS FROM A STUDY IN COIMBRA, PT	https://doi.org/10.52202/069179-0532
08:45	Jaemo Cho	MODIFICATION OF ROOF STRUCTURE OF THE TRADITIONAL WOOD HOUSES IN THE URBAN AREA OF DAEGU, KOREA DURING MID TWENTIETH CENTURY	https://doi.org/10.52202/069179-0533
09:00	Wendy Wuyts	REUSE OF WOOD, LEARNING ABOUT THE BENEFITS AND CHALLENGES OF HIGH- AND LOW-TECH DIAGNOSTIC METHODS THROUGH ACTION RESEARCH IN NORWAY	https://doi.org/10.52202/069179-0539
09:15	Hans Drexler	MONO-MATERIAL TIMBER CONSTRUCTION RE-INVENTION OF PRESS-FIT TIMBER CONSTRUCTIONS	https://doi.org/10.52202/069179-0513
Session 49 08:00-09:30 Room 107			
Moderator: Jaaranen, Joonas		Theme: 3.9 Wood-based building systems	
08:00	Craig Cowled	INFLUENCE OF PLASTERBOARD ON THE STRUCTURAL PERFORMANCE OF TIMBER-FRAMED SHEAR WALLS	https://doi.org/10.52202/069179-0445
08:15	Giuseppe D'Arenzo	EXPERIMENTAL CHARACTERIZATION OF CLT SHEAR WALLS CONNECTED TO PERPENDICULAR WALLS	https://doi.org/10.52202/069179-0446
08:30	Matthias Brieden	SEGMENTED COMPOSITE SECTIONS WITH WOOD DOWELS	https://doi.org/10.52202/069179-0453
08:45	Alessandro Setti	LIGHT-FRAME TIMBER SHEAR-WALLS WITH DIAGONAL BOARD SHEATHING: EXPERIMENTAL AND NUMERICAL INVESTIGATION	https://doi.org/10.52202/069179-0454
09:00	Chul-ki Kim	SHEAR PERFORMANCE OF STRUCTURAL PARTICLEBOARD-SHEATHED LIGHT-FRAME WALL	https://doi.org/10.52202/069179-0457

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Session 50 10:00-11:30			
Moderator: Li, Minghao		Room 201	
		Theme: 3.1 Connections	
10:00	DI Matthias Braun	EXPERIMENTAL INVESTIGATIONS ON TIMBER STEP JOINTS DETERMINING THE INFLUENCE OF INTENTIONALLY PLACED INACCURACIES ON THE LOAD-BEARING	https://doi.org/10.52202/069179-0192
10:15	Jose Manuel Cabrero	EXPERIMENTAL ANALYSIS OF THE INFLUENCE OF OPENINGS IN THE DEFLECTION OF CROSS-LAMINATED TIMBER PLATES LOADED OUT OF PLANE	https://doi.org/10.52202/069179-0366
10:30	José Manuel Cabrero	CONNECTIONS TESTING AND RELIABILITY ASSESSMENT OF TIMBER CONNECTIONS WITH DOWEL-TYPE FASTENERS.	https://doi.org/10.52202/069179-0362
10:45	Jørgen Munch-Andersen	UPPER AND LOWER RESISTANCE OF SMALL STEEL-TO-TIMBER CONNECTIONS AND COMPARAISON WITH REVISED EYM	https://doi.org/10.52202/069179-0194
11:00	Roberto Scotta	STRENGTH CHARACTERIZATION OF OVERLAPPED TIMBER SCREWS	https://doi.org/10.52202/069179-0195
11:15	Kenji Kobayashi	MEASUREMENT OF AXIAL FORCE OF SCREWS FOR SPLIT REINFORCEMENT AT TIMBER-STEEL-TIMBER DOWEL JOINT	https://doi.org/10.52202/069179-0196
11:30	Kai Simon	RIGID GLULAM JOINTS TO CONCRETE ABUTMENTS WITH GLUED-IN STEEL ROD	https://doi.org/10.52202/069179-0197
Session 51 10:00-11:30			
Moderator: Münch, Simon		Room 202	
		Theme: 3.4 Cyclic loading, earthquakes & fatigue	
10:00	John van de Lindt	FULL-SCALE 3-D SHAKE TABLE TEST OF A TEN-STORY MASS TIMBER BUILDING	https://doi.org/10.52202/069179-0276
10:15	Dean Cizmar	CONSTRUCTIVE REHABILITATION OF THE FLOOR STRUCTURES OF ZAGREB'S DOWNTOWN BUILT IN THE FIRST HALF OF THE 20TH CENTURY	https://doi.org/10.52202/069179-0277
10:30	Johnn Judd	Cyclic tests of interlocking cross laminated timber shear walls	https://doi.org/10.52202/069179-0280
10:45	Robert Jockwer	FATIGUE RESISTANCE OF ADHESIVE BONDED CONNECTIONS WITH AND WITHOUT INTERNAL STEEL PLATES IN LARGE TIMBER STRUCTURES	https://doi.org/10.52202/069179-0281
11:00	Diego Valdivieso Cascante	TESTING OF STRONG MULTI-LAYERED WOOD FRAME SHEAR WALLS WITH NON-STRUCTURAL LAYERS	https://doi.org/10.52202/069179-0282
11:15	Diego Valdivieso Cascante	TESTING THE INFLUENCE OF 3D COUPLING EFFECTS ON THE LATERAL RESPONSE OF NON-PLANAR T-SHAPE WOOD FRAME SHEAR WALLS	https://doi.org/10.52202/069179-0283
Session 52 10:00-11:30			
Moderator: Landel, Pierre		Room 203	
		Theme: 3.3 Vibrations & Acoustics, 3.5 Structural modelling, analysis & design	
10:00	Marina Tenório	PREDICTION OF THE ACOUSTIC INSULATION OF A PREFABRICATED WOODEN BASED SYSTEM FOR COLLECTIVE BUILDINGS	https://doi.org/10.52202/069179-0259
10:15	Luca Pozza	PHENOMENOLOGICAL MODEL FOR SEISMIC DESIGN OF MULTI-STOREY CLT BUILDINGS: CALIBRATION OF INPUT PARAMETERS	https://doi.org/10.52202/069179-0367
10:30	Chunhao Lyu	AN ACCURATE FINITE ELEMENT MODEL TO STUDY THE PROGRESSIVE COLLAPSE OF POST-AND-BEAM MASS TIMBER BUILDINGS	https://doi.org/10.52202/069179-0368
10:45	Paul Quistin	TIMBER STRUCTURES IN SUBTROPICAL CLIMATE ON DESIGN: BOIS DURAMHEN PROGRAFOR GUADELOUPE, MARTINIQUE AND GUYANE	https://doi.org/10.52202/069179-0369
11:00	Martina Sciomenta	FRACTURE ANALYSIS OF CROSS LAMINATED TIMBER SHEARWALLS WITH OPENINGS	https://doi.org/10.52202/069179-0370
11:15	Yuxin Pan	SEISMIC ASSESSMENT OF BALLOON-FRAMED CLT BUILDING WITH SELF-CENTERING HOLD-DOWN	https://doi.org/10.52202/069179-0315
Session 53 10:00-11:30			
Moderator: Fortino, Stefania		Room 104	
		Theme: 1.2 Material modelling	
10:00	Ulrich Hundhausen	THE INFLUENCE OF WOOD COATINGS ON THE MOISTURE BUFFERING CAPACITY OF CLT AND THE INDOOR ENVIRONMENT	https://doi.org/10.52202/069179-0056
10:15	Johannes Huber	EVALUATION OF MODELS OF FIBRE ORIENTATION IN SAWN TIMBER USING SYNCHRONISED COMPUTED TOMOGRAPHY AND OPTICAL SCANNING DATA	https://doi.org/10.52202/069179-0057
10:30	Joonas Jaaranen	MODELLING THE EFFECT OF THREE-DIMENSIONAL GRAIN ANGLE ON THE TENSION STRENGTH OF BIRCH WOOD	https://doi.org/10.52202/069179-0058
10:45	Klara Winter	A NEW APPROACH TO DETERMINE AND EVALUATE THE POISSON'S RATIO OF WOOD	https://doi.org/10.52202/069179-0050
11:00	Rostand MOUTOU-PITTI	EFFECTS OF THE CROSS-LINKING OF THE CELLULOSIC FIBRILLAR NETWORK ON THE MACROSCOPIC ELASTIC BEHAVIOUR OF WOOD	https://doi.org/10.52202/069179-0060
Session 54 10:00-11:30			
Moderator: Friquin, Kathinka Leikang		Room 105	
		Theme: 5.4 Industry strategies to improve modern timber use in constructions	
10:00	Carlos Kahler	USING ARIMODELS TO PROJECT SAWLOGS, AND SAWN WOOD PRICES IN THE CHILEAN CONSTRUCTION MATERIALS MARKET	https://doi.org/10.52202/069179-0583
10:15	Janina Gysling	CHARACTERIZATION OF GLUED-LAMINATED TIMBER SUPPLY IN CHILE	https://doi.org/10.52202/069179-0584
10:30	Daniel Soto	ESTIMATING THE GLUED-LAMINATED TIMBER DEMAND IN NON-RESIDENTIAL BUILDINGS IN CHILE	https://doi.org/10.52202/069179-0585
10:45	Stephan Ott	DIGITAL TWIN FRAMEWORK FOR VISUAL EXPLORATION OF MATERIAL FLOWS AND CARBON IMPACTS OF ENGINEERED WOOD PRODUCT CHAINS FROM FOREST TO	https://doi.org/10.52202/069179-0586
11:00	Bill Parsons	ACCELERATION OF UNITED STATES MARKETS FOR WOOD	https://doi.org/10.52202/069179-0588
11:15	Lauri Linkosalmi	HARMONISATION OF THE ENVIRONMENTAL PRODUCT DECLARATIONS FOR WOOD PRODUCTS	https://doi.org/10.52202/069179-0594
Session 55 10:00-11:30			
Moderator: Mirra, Michele		Room 106	
		Theme: 4.7 Exploration & restoration of existing structures	
10:00	Jeonghyun Kim	HYBRIDIZATION OF WESTERN TIMBER TRUSS AND TRADITIONAL KOREAN ROOF SHAPE IN THE EARLY 20TH CENTURY	https://doi.org/10.52202/069179-0534
10:15	Yasuhiro Nambu	SEISMIC PERFORMANCE EVALUATION OF A TRADITIONAL WOODEN TOWNHOUSE THAT DID NOT COLLAPSE IN THE 2016 KUMAMOTO EARTHQUAKE	https://doi.org/10.52202/069179-0535
10:30	Kangmin Lee	DEVELOPMENT OF TIMBER ROOF FRAMES IN KOREAN MODERN ARCHITECTURE	https://doi.org/10.52202/069179-0536
10:45	Dibya Kusyala	FERROCEMENT WOODEN HOUSE FOR POST-DISASTER HOUSING	https://doi.org/10.52202/069179-0540
11:00	Jana Kolbe	GLUED-IN HARDWOOD RODS USING BIO-SOURCED ADHESIVES — PART I: INVESTIGATIONS UNDER LABORATORY CONDITIONS	https://doi.org/10.52202/069179-0110
11:15	Jana Kolbe	GLUED-IN HARDWOOD RODS USING BIO-SOURCED ADHESIVES — PART II: IFNLUENCE OF ENVIRONMENTAL CONDITIONS	https://doi.org/10.52202/069179-0111
11:30	Hongjun Wang	MATERIAL FLOW ANALYSIS AND CARBON FOOTPRINT OF FOREST RESOURCES IN JAPAN: A CASE STUDY OF BUILDING MATERIAL	https://doi.org/10.52202/069179-0112
Session 56 10:00-11:30			
Moderator: Doudak, Ghasan		Room 107	
		Theme: MIXED SESSION 1.1, 1.5, 3.9, 4.1	
10:00	Cristóbal Tapia Camú	POINT-SUPPORT REINFORCEMENT FOR A HIGHLY EFFICIENT TIMBER HOLLOW CORE SLAB SYSTEM	https://doi.org/10.52202/069179-0388
10:15	Weichi Pang	DEPLOYABLE WOOD STRUCTURES FOR DISASTER RELIEF AND MILITARY USE	https://doi.org/10.52202/069179-0458
10:30	Maximilian L. Müller	GREEN OAK BUILDING WITH HIGH-TECH METHODS, PART 1: CHARACTERISATION OF THE RAW MATERIAL	https://doi.org/10.52202/069179-0097
10:45	Kay Uwe Schober	GREEN OAK BUILDING WITH HIGH-TECH METHODS, PART 2: LOG BENDING TESTS FOR DETERMINATION OF STRENGTH AND STIFFNESS	https://doi.org/10.52202/069179-0016
11:00	Asp, Daniel	HOW AWARD-WINNING ARCHITECTURE CAN SHOW WHAT IS POSSIBLE— AND HOW COLLABORATION CAN MAKE THE FUTURE EVEN BETTER?	

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Session 57 14:00-15:30 Room 201			
Moderator: Stamatopoulos, Haris		Theme: 3.1 Connections, 3.2 Fire engineering	
14:00	Tianxiang Wang	GLULAM FRAMES ADHESIVELY BONDED BY MEANS OF BIRCH PLYWOOD PLATES: PRELIMINARY INVESTIGATIONS	https://doi.org/10.52202/069179-0198
14:15	Katrin Vögele	STRUCTURAL CHARACTERISTICS AND DEFORMATION BEHAVIOUR OF AN ADVANCED CARPENTRY CONNECTION IN TIMBER CONSTRUCTION	https://doi.org/10.52202/069179-0199
14:30	Elena Perria	REPAIR CONNECTION WITH WOODEN WEDGED DOWELS: AXIAL TENSILE AND SHEAR VERIFICATIONS	https://doi.org/10.52202/069179-0200
14:45	Hafshah Salamah	INVESTIGATION OF STRUCTURAL BEHAVIOR OF WOODEN TRADITIONAL JOINTS BY FINITE ELEMENT MODELING	https://doi.org/10.52202/069179-0204
15:00	Bettina Franke	BONDED-IN RODS IN BEECH GLULAM – EFFICIENCY OF A RECESS IN THE BONDLINE	https://doi.org/10.52202/069179-0205
15:15	Laura Hasburgh	FIRE PERFORMANCE OF PENETRATIONS IN GLULAM BEAMS: A PRELIMINARY STUDY	https://doi.org/10.52202/069179-0209
Session 58 14:00-15:30 Room 202			
Moderator: Stepinac, Mislav		Theme: 3.4 Cyclic loading, earthquakes & fatigue, 3.5 Structural modelling, analysis & design	
14:00	Vincenzo Rinaldi	SEISMIC DESIGN OF A CLT MULTI-STORY BUILDING IN DIFFERENT DUCTILITY CLASSES	https://doi.org/10.52202/069179-0296
14:15	Asif Iqbal	DATA-DRIVEN APPROACH FOR ASSESSMENT OF SEISMIC DAMAGE IN WOOD BUILDINGS	https://doi.org/10.52202/069179-0284
14:30	Yuta Sakai	EFFECT OF SMALL OPENINGS ON SHEAR CAPACITY OF PLYWOOD SHEATHED SHEAR WALLS	https://doi.org/10.52202/069179-0285
14:45	Gustavo Araujo	CYCLIC TESTING AND NUMERICAL MODELING OF A THREE-STORY MASS-TIMBER BUILDING WITH A PIVOTING MASS PLY PANEL SPINE AND BUCKLING-RESTRAINED ENERGY DISSIPATORS	https://doi.org/10.52202/069179-0286
15:00	Francesco Mirko Massaro	GLUED-LAMINATED TIMBER BEAM WITH LARGE ROUND HOLES: AN EXPERIMENTAL AND NUMERICAL INVESTIGATION	https://doi.org/10.52202/069179-0307
15:15	Angelo Aloisio	MODELLING SEISMIC ISOLATION BEARING FOR WOOD BUILDINGS	https://doi.org/10.52202/069179-0289
Session 59 14:00-15:30 Room 203			
Moderator: Tomasi, Roberto		Theme: 3.6 Tall timber buildings	
14:00	Marie Johansson	DYNAMIC RESPONSE OF TALL TIMBER BUILDINGS UNDER SERVICE LOAD – RESULTS FROM THE DYNATTB RESEARCH PROGRAM	https://doi.org/10.52202/069179-0380
14:15	Andrea Frangi	QUANTIFYING ROBUSTNESS IN TALL (TIMBER) BUILDINGS: A CASE STUDY	https://doi.org/10.52202/069179-0381
14:30	Andreas Linderholt	FORCED RESPONSE MEASUREMENTS ON A SEVEN STOREY TIMBER BUILDING IN SWEDEN	https://doi.org/10.52202/069179-0376
14:45	Samuel Cuerrier Auclair	LONG-TERM MONITORING OF TALL MASS TIMBER BUILDINGS - EVALUATION OF DYNAMICS PROPERTIES	https://doi.org/10.52202/069179-0382
15:00	OsaAbdelfattah Hegeir	SERVICEABILITY PERFORMANCE OF TIMBER DUAL FRAME-WALL STRUCTURAL SYSTEM UNDER WIND LOADING	https://doi.org/10.52202/069179-0384
15:15	Saule Tulebekova	INVESTIGATION OF LONG-TERM MODAL PROPERTIES OF A TALL GLUE-LAMINATED TIMBER FRAME BUILDING UNDER ENVIRONMENTAL VARIATIONS	https://doi.org/10.52202/069179-0385
Session 60 14:00-15:30 Room 104			
Moderator: Füssl, Josef		Theme: 1.2 Material modelling	
14:00	Stefania Fortino	A MULTI-PHASE HYGRO-THERMAL MODEL FOR WOODEN BRIDGE COMPONENTS EXPOSED TO SOLAR RADIATION	https://doi.org/10.52202/069179-0061
14:15	Romain Chevalier	NUMERICAL MULTI-SCALE HOMOGENIZATION OF HYGRO-THERMO-MECHANICAL PROPERTIES OF PINUS PINASTER (AIT.) LAMELLAE CONSTITUTING GLUED LAMINATED TIMBER	https://doi.org/10.52202/069179-0062
14:30	Andreas Stenstad	FLEXURAL REINFORCEMENT OF TIMBER ELEMENTS ON-SITE WITH PRF ADHESIVE AND WOOD-BASED PRODUCTS	https://doi.org/10.52202/069179-0065
14:45	Christoffer Vida	SIZE EFFECT OF LARGE GLUED LAMINATED TIMBER BEAM - CONTRIBUTION TO THE ONGOING DISCUSSION	https://doi.org/10.52202/069179-0063
15:00	Peiqing Lu	MODE I FRACTURE ENERGY OF AUSTRALIAN NATIVE HARDWOOD SPOTTED GUM AT VARIOUS MOISTURE CONTENTS	https://doi.org/10.52202/069179-0064
Session 61 14:00-15:30 Room 105			
Moderator: Sieder, Mike		Theme: 5.5 Educations and future trends	
14:00	Laia Haurie	HYBRIDTIM, DESIGN AND CONSTRUCTION OF ENVIRONMENTAL HIGH PERFORMANCE HYBRID ENGINEERED TIMBER BUILDINGS	https://doi.org/10.52202/069179-0597
14:15	Samuel Zelinka	FINDINGS FROM THE 2022 NORTH AMERICAN MASS TIMBER RESEARCH NEEDS ASSESSMENT WORKSHOP	https://doi.org/10.52202/069179-0596
14:30	Elena Mitrenova	HIBIWOOD – DIDACTIC APPROACHES FOR ACADEMIC EDUCATION ON MULTI-STORY TIMBER BUILDINGS	https://doi.org/10.52202/069179-0598
14:45	Christian Dagenais	FIRE SAFE USE OF WOOD IN BUILDINGS - GLOBAL DESIGN GUIDE	https://doi.org/10.52202/069179-0603
15:00	Günther H. Filz	HORIZONTAL AND VERTICAL KNOWLEDGE MANAGEMENT IN MULTIDISCIPLINARY RESEARCH AND DESIGN-BUILD TEACHING: A TIMBER-ONLY TRAIL	https://doi.org/10.52202/069179-0599
15:15	Alireza Fadai	RESOURCE-EFFICIENT MATERIALIZATION – SUSTAINABILITY FUTURE TRENDS	https://doi.org/10.52202/069179-0600
Session 62 14:00-15:30 Room 106			
Moderator: Kromoser, Benjamin		Theme: 2.1 Sustainable environment and use of wood	
14:00	Richard Hough	BUILDING TOWARD ZERO EMBODIED CARBON	https://doi.org/10.52202/069179-0116
14:15	Sylvain Ménard	TRADE-OFFS IN EMBODIED CARBON AND ACOUSTIC INSULATION FOR MASS TIMBER FLOOR ASSEMBLIES	https://doi.org/10.52202/069179-0117
14:30	Alireza Fadai	ECOLOGICAL PERFORMANCE AND RECYCLABILITY OF TIMBER-BASED CONSTRUCTIONS	https://doi.org/10.52202/069179-0118
14:45	Annette Harte	EMBEDMENT STRENGTH OF RECOVERED SPRUCE AND OAK	https://doi.org/10.52202/069179-0119
15:00	Annette Harte	BENDING CHARACTERISTICS OF CLT FROM RECOVERED SPRUCE	https://doi.org/10.52202/069179-0121
15:15	Meng-Ting Tsai	COMPARISON OF ENERGY EFFICIENCY BETWEEN WOODEN-BASED HYBRID STRUCTURE SYSTEM AND RC STRUCTURE SYSTEM IN SUBTROPICAL AND TROPICAL AREA	https://doi.org/10.52202/069179-0122
Session 63 14:00-15:30 Room 107			
Moderator: Skatvedt, Knut Amund		Theme: 3.10 Circular design for sustainability, altered use, and reuse of buildings & components	
14:00	Hiroaki Kubotera	DEVELOPMENT OF TEMPORARY STRUCTURE USING CLT PANEL - INVENTION OF CONSTRUCTION AND VERIFICATION BY CONSTRUCTION EXPERIMENT	https://doi.org/10.52202/069179-0462
14:15	Ylva Sandin	HOW TIMBER BUILDINGS CAN BE DESIGNED FOR DECONSTRUCTION AND REUSE IN ACCORDANCE WITH ISO 20887	https://doi.org/10.52202/069179-0463
14:30	Alfredo Romero	PUSH-OUT TESTS ON CONNECTIONS FOR DEMOUNTABLE AND REUSABLE STEEL-TIMBER COMPOSITE BEAM AND FLOORING SYSTEMS	https://doi.org/10.52202/069179-0464
14:45	Benjamin Kromoser	3DP BIOWALL - CIRCULAR ECONOMY IN WOOD CONSTRUCTION THROUGH ADDITIVE MANUFACTURING OF FULLY RECYCLABLE WALLS	https://doi.org/10.52202/069179-0460
15:00	Mohammad Derikvand	STRUCTURAL PERFORMANCE OF TIMBER-CONCRETE COMPOSITE FLOOR ELEMENTS WITH DECONSTRUCTABLE CONNECTORS AND ITS POTENTIAL FOR REUSE	https://doi.org/10.52202/069179-0465
15:15	Namhyuck Ahn	ENVISIONING MASS TIMBER BUILDINGS FOR CIRCULARITY: LIFE CYCLE ASSESSMENT OF A MASS TIMBER BUILDING WITH DIFFERENT END-OF-LIFE (EOL) AND POST-EOL OPTIONS	https://doi.org/10.52202/069179-0466

Time	Presenting Author Name	Paper Title	DOI-link
Session 64 16:00-17:30 Room 201			
Moderator: Frangi, Andrea		Theme: 3.2 Fire engineering	
16:00	Tatsuro Suzuki	CALCULATION METHOD OF COLLAPSE TIME OF WOOD MEMBERS EXPOSED TO FIRE HEATING WITH HEAT AND WATER TRANSFER. ANALYSIS: INFLUENCE OF INITIAL MOISTURE CONTENT ON CHARRING RATE AND MECHANICAL PROPERTIES OF REMAINING SECTION OF WOOD MEMBERS	https://doi.org/10.52202/069179-0210
16:15	Samuel Zelinka	HEAT DELAMINATION IN CROSS LAMINATED TIMBER: INTERMEDIATE SCALE TEST BASED UPON THE NORTH AMERICAN STANDARDS	https://doi.org/10.52202/069179-0211
16:30	Andreas Sæter Bøe	TRAVELLING FIRES IN COMPARTMENTS WITH EXPOSED CROSS-LAMINATED TIMBER SURFACES	https://doi.org/10.52202/069179-0213
16:45	Diego Flores	CHARACTERIZING THE FIRE PERFORMANCE OF ADHESIVES USED IN GLUED-IN RODS CONNECTIONS	https://doi.org/10.52202/069179-0214
17:00	Mathieu Létourneau-Gagnon	NUMERICAL MODELLING OF CONTEMPORARY MASS TIMBER CONNECTIONS IN FIRE	https://doi.org/10.52202/069179-0215
17:15	Christian Dagenais	ADVANCED FIRE MODELLING IN SUPPORT OF PERFORMANCE-BASED FIRE DESIGN OF TIMBER BUILDINGS	https://doi.org/10.52202/069179-0217
Session 65 16:00-17:30 Room 202			
Moderator: Malaga-Chuquitaype, Chr.		Theme: 3.4 Cyclic loading, earthquakes & fatigue	
16:00	Erica Fischer	EXPERIMENTAL MONOTONIC AND CYCLIC TESTING ON GLULAM BEAM-TO-COLUMN CONNECTIONS	https://doi.org/10.52202/069179-0290
16:15	Luca Marchi	SEISMIC CONNECTIONS FOR CLT STRUCTURES WITH TUBULAR ELEMENTS AND UNCOUPLED TENSION-SHEAR INTERACTION	https://doi.org/10.52202/069179-0291
16:30	Vincenzo Rinaldi	VARIABILITY OF CROSS-LAMINATED TIMBER (CLT) SINGLE-PANEL SHEARWALLS' RESPONSE UNDER IN-PLANE LATERAL LOADS	https://doi.org/10.52202/069179-0292
16:45	Jacob Gesh	POST-TENSIONING LOSSES IN MASS TIMBER WALL PANELS	https://doi.org/10.52202/069179-0298
17:00	Naoyuki Matsumoto	SHEAR PERFORMANCE ESTIMATION OF WOODEN LATHS AND PLASTER WALLS THROUGH THE EXPERIMENT AND ANALYSIS	https://doi.org/10.52202/069179-0293
17:15	Eknara Junda	A SEISMIC RESPONSE ESTIMATION MODEL FOR CROSS-LAMINATED TIMBER WALLS USING MACHINE LEARNING	https://doi.org/10.52202/069179-0294
Session 66 16:00-17:30 Room 203			
Moderator: Pasca, Dag		Theme: 3.6 Tall timber buildings, 3.5 Structural modelling, analysis & design	
16:00	Charles Binck	INVESTIGATIONS ON SUITABLE LATERAL STIFFENING SYSTEMS FOR TALL TIMBER BUILDINGS	https://doi.org/10.52202/069179-0386
16:15	Blaž Kurent	ON FINITE ELEMENT MODELLING AND MODEL UPDATING OF MULTI-STOREY TIMBER BUILDINGS	https://doi.org/10.52202/069179-0378
16:30	Lecturer Carmen Amadeo	AMBIENT VIBRATION TESTS AND MODAL ANALYSIS OF A SIX-STORY LIGHTWEIGHT TIMBER FRAME BUILDING	https://doi.org/10.52202/069179-0379
16:45	Takahiro Tsuchimoto	R&D PROJECT FOR TECHNOLOGIES ABOUT MID- AND HIGH-RISE TIMBER CONSTRUCTION IN JAPAN	https://doi.org/10.52202/069179-0389
17:00	Zhiyong Chen	MODULE FOR ANALYSIS AND CAPACITY-BASED DESIGN OF BRACED TIMBER FRAMES	https://doi.org/10.52202/069179-0326
17:15	Zhiyong Chen	MODELLING OF TIMBER STRUCTURES	https://doi.org/10.52202/069179-0303
Session 67 16:00-17:30 Room 104			
Moderator: Hundhausen, Ulrich		Theme: 1.3 Long-term behaviour, 1.1 Structural performance of materials	
16:00	Ryo Takase	DERIVATION FROM EN927 METHOD FOR EVALUATING OUTDOOR DURABILITY OF COATED FIRE-RETARDANT-TREATED WOOD	https://doi.org/10.52202/069179-0069
16:15	Jonna Silvo	PATINA AND ITS FORMATION ON A WOODEN CHURCH FLOOR – CASE PETÄJÄVESI OLD CHURCH AND VIKKI CHURCH IN HELSINKI	https://doi.org/10.52202/069179-0081
16:30	ALESSANDRO MAZELLI	EXPERIMENTAL INVESTIGATION ON LONG-TERM BEHAVIOR OF TIMBER-TO-TIMBER SHEAR CONNECTIONS MADE BY INCLINED SELF-TAPPING SCREWS	https://doi.org/10.52202/069179-0080
16:45	Fernando Mascarenhas	MICROWAVE TECHNOLOGY AND ITS APPLICATIONS TO WOOD TREATMENT AND MODIFICATION	https://doi.org/10.52202/069179-0005
Session 68 16:00-17:30 Room 105			
Moderator: Stefan Winter		Theme: 5.5 Educations and future trends	
16:00	Martín Hurtado	WOOD PROFESSIONAL WORKSHOP: EFFICIENCY OF TIMBER STRUCTURES FOR ARCHITECTURE STUDENTS.	https://doi.org/10.52202/069179-0601
16:15	Gabriele Tamagnone	THEORISING A NEW EDUCATIONAL AGENDA FOR SUSTAINABLE BUILT ENVIRONMENT PROFESSIONALS: TIMBER TECHNOLOGY, ENGINEERING, AND DESIGN	https://doi.org/10.52202/069179-0602
16:30	Colm O'Brien	6X6X6: INTRODUCING THE CONCEPT OF REUSE OF TIMBER MATERIALS IN THE 1ST YEAR OF ARCHITECTURAL EDUCATION	https://doi.org/10.52202/069179-0595
Session 69 16:00-17:30 Room 106			
Moderator: Kleinhenz, Miriam		Theme: 2.1 Sustainable environment and use of wood, 2.2 Sustainability and Life cycle assessment	
16:00	Ramit Debnath	ENVIRONMENTAL PERFORMANCE OF NEXT-GENERATION TIMBER SCHOOLS FOR CLIMATE ACTION: A SIMULATION APPROACH	https://doi.org/10.52202/069179-0123
16:15	Leticia do Nascimento Costa	CORROSION INHIBITOR POTENTIAL WITH BOLDO BRASILEIRO COMPARED TO COMMERCIAL INHIBITOR IN WOOD CONNECTION	https://doi.org/10.52202/069179-0126
16:30	Xiaoyue Zhang	STRUCTURAL AND LIFE CYCLE ANALYSES FOR A TIMBER-CONCRETE HYBRID BUILDING	https://doi.org/10.52202/069179-0129
16:45	Zsófia Varga	EVALUATION OF THE RECYCLABILITY OF TIMBER BEAM STRUCTURES	https://doi.org/10.52202/069179-0130
17:00	Gerhard Fink	HOLISTIC DESIGN OF TALLER TIMBER BUILDINGS – COST ACTION HELEN (CA20139)	https://doi.org/10.52202/069179-0137
17:15	Vittoria Borghese	SUSTAINABLE ASSESSMENT: A CONTRIBUTION TO IMPROVE THE RELIABILITY OF NDT ON OLD CHESTNUT PURLINS	https://doi.org/10.52202/069179-0131
Session 70 16:00-17:30 Room 107			
Moderator: Stenstad, Andreas		Theme: 3.10 Circular design for sustainability, altered use, and reuse of buildings & components	
16:00	Xavier Estrella	A REUSE-READY TIMBER SLAB-AND-COLUMN SYSTEM FOR MODULAR BUILDING STRUCTURES	https://doi.org/10.52202/069179-0467
16:15	Daniel F. Llana	ENGINEERED WOOD PRODUCTS MANUFACTURED FROM RECLAIMED HARDWOOD TIMBER	https://doi.org/10.52202/069179-0468
16:30	Jonas Warmuth	REUSE OF LOAD-BEARING TIMBER ELEMENTS – CASE STUDY OF A LOOKOUT TOWER IN LAUSANNE, SWITZERLAND	https://doi.org/10.52202/069179-0469
16:45	Tuomo Poutanen	GLUED TIMBER TRUSSES	https://doi.org/10.52202/069179-0459
17:00	Maxence Lebossé	VALUES OF RECLAIMED TIMBER	https://doi.org/10.52202/069179-0470
17:15	Patrick McGerrick	BENDING CHARACTERISTICS OF CLT FROM RECOVERED SPRUCE	https://doi.org/10.52202/069179-0121