

WCTE 2023 Full Paper / Paper No / Author

Paper No	Presenting Author Names	Submitting Author Last Name	Submitting Author First Name	Track	Topic	Paper Title
6	David Dinehart	Dinehart	David	Materials and Innovative Products	1.1 Structural performance of materials	WOOD AND STEEL VISCOELASTIC DAMPERS: SHORT AND LONG-TERM PERFORMANCE
7	David Dinehart	Dinehart	David	Materials and Innovative Products	1.1 Structural performance of materials	COMPARISON OF THE STRUCTURAL CAPACITY OF SHEAR WALLS SHEATHED WITH ORIENTED STRAND BOARD AND RECYCLED MATERIAL SUBJECTED TO CYCLIC LOADING
20	Alex Siex Cao	Cao	Alex Siex	Materials and Innovative Products	1.1 Structural performance of materials	Pendulum impact hammer tests on spruce glued laminated timber – Setup description
34	David Dinehart	Dinehart	David	Materials and Innovative Products	1.1 Structural performance of materials	NUMERICAL AND EXPERIMENTAL ANALYSIS OF WOOD-NAILER OPEN WEB STEEL JOISTS
64	Shengdong Zhang	Zhang	Shengdong	Materials and Innovative Products	1.1 Structural performance of materials	BEHAVIOR OF TIMBER BEAMS STRENGTHENED WITH CFRP
67	Morten Voss	Voss	Morten	Materials and Innovative Products	1.1 Structural performance of materials	Low-temperature bonding of timber structures
68	Morten Voss	Voss	Morten	Materials and Innovative Products	1.1 Structural performance of materials	Rapid bonding of timber structures
88	Fernando Mascarenhas	Mascarenhas	Fernando	Materials and Innovative Products	1.1 Structural performance of materials	MICROWAVE TECHNOLOGY AND ITS APPLICATIONS TO WOOD TREATMENT AND MODIFICATION
119	Marina Tosaka	Tosaka	Marina	Materials and Innovative Products	1.1 Structural performance of materials	COMPRESSIVE STIFFNESS PARALLEL TO GRAIN IN TIMBER
123	Aamir Khokhar	Khokhar	Aamir	Materials and Innovative Products	1.1 Structural performance of materials	STRUCTURAL PERFORMANCE AND FAILURE MECHANISM OF HARDWOOD CROSS LAMINATED TIMBER CONCRETE COMPOSITE UNDER SHEAR LOAD
140	Nicole Wight	Viau	Christian	Materials and Innovative Products	1.1 Structural performance of materials	Glued-Laminated Timber Under Extreme Cold Temperatures Subjected to Impact Loading
145	Tomas Bravo Tetlak	Bravo Tetlak	Tomas	Materials and Innovative Products	1.1 Structural performance of materials	SCALING STUDY ON VISCOUS DAMPING FOR GLULAM AND HYBRID GLULAM-FRP BEAMS
146	Mahmoud Hammad	Hammad	Mahmoud	Materials and Innovative Products	1.1 Structural performance of materials	EXPERIMENTAL AND FINITE ELEMENT MODELING (FEM) OF TIMBER-TIMBER COMPOSITE (TTC) UNDER HOGGING MOMENT
157	Eric Kjalling	Kjalling	Eric	Materials and Innovative Products	1.1 Structural performance of materials	QUASI-STATIC OUT-OF-PLANE TESTING OF REINFORCED CROSS-LAMINATED TIMBER
192	Ryutaro Sudo	Sudo	Ryutaro	Materials and Innovative Products	1.1 Structural performance of materials	Comparison of the degree of influence of various conditions on the bearing capacity of wood-based panels
225	Marco Lo Ricco	Lo Ricco	Marco	Materials and Innovative Products	1.1 Structural performance of materials	Ballistic Testing of Cross-Laminated Timber Layups to further Develop Protective Panels
273	Sora Sunakozawa	Sunakozawa	Sora	Materials and Innovative Products	1.1 Structural performance of materials	STUDY ON THE RELATIONSHIP BETWEEN INTERLAYERDEFORMATION ANGLE AND TORN WALLPAPER ON WOODEN HOUSES
274	Mehdi Nikoo	Hafeez	Ghanzafar	Materials and Innovative Products	1.1 Structural performance of materials	PREDICTING MODULUS OF RUPTURE OF HEAT-TREATED WOODS BY ARTIFICIAL NEURAL NETWORK COMBINED WITH GENETIC ALGORITHM
281	Marthias Brieden	Brieden	Marthias	Materials and Innovative Products	1.1 Structural performance of materials	TENSION LOADED CONNECTIONS WITH WOOD DOWELS
294	Iuan Castro	Castro	Iuan	Materials and Innovative Products	1.1 Structural performance of materials	MECHANICAL PROPERTIES OF GLUE LAMINATED TIMBER BY SMALL SIZE TREE SPECIES (CASE STUDY OF OKINAWA FOREST)
361	Zhouhuo Gan	He	Minjuan	Materials and Innovative Products	1.1 Structural performance of materials	Experimental investigation on in-plane performance of nail-laminated timber floors
376	Zizhen Gao	Zizhen	Gao	Materials and Innovative Products	1.1 Structural performance of materials	AN EXPERIMENTAL STUDY ON MIXED-MODE FRACTURE AND STRAIN DISTRIBUTION NEAR A CRACK TIP OF MASS TIMBER PRODUCTS USING DIGITAL IMAGE CORRELATION
396	Karl-Christian Mahrt	Lambro Bertelsen	Sine	Materials and Innovative Products	1.1 Structural performance of materials	BONDING OF FIRE-RETARDANT TREATED SPRUCE LAMELLAE FOR USE IN CROSS LAMINATED TIMBER (CLT)
427	Kay-Uwe Schöber	Schöber	Kay-Uwe	Materials and Innovative Products	1.1 Structural performance of materials	Green oak building with high-tech methods, Part 2: Log bending tests for determination of strength and stiffness
437	Kaito Yamagata	Yamagata	Kaito	Materials and Innovative Products	1.1 Structural performance of materials	EXPERIMENTAL STUDY OF CROSS-LAMINATED TIMBER
462	Alicja Przystup	Przystup	Alicja	Materials and Innovative Products	1.1 Structural performance of materials	DEVELOPMENT OF A ROBUSTNESS ANALYSIS METHOD FOR MASS TIMBER FLOORS USING COMPONENT TESTING
485	Pedro Palma	Palma	Pedro	Materials and Innovative Products	1.1 Structural performance of materials	Shear tests on full-scale European ash glued laminated timber beams
487	Katharina Sroka	Sroka	Katharina	Materials and Innovative Products	1.1 Structural performance of materials	Unreinforced and steel-reinforced columns made of European beech (Fagus sylvatica L.) glued-laminated timber
490	Conan O'Ceallaigh	O'Ceallaigh	Conan	Materials and Innovative Products	1.1 Structural performance of materials	NUMERICAL EXAMINATION OF THE BEHAVIOUR OF DOWEL LAMINATED TIMBER ELEMENTS UTILISING COMPRESSED WOOD DOWELS
492	Aleksa Masala	Masala	Aleksa	Materials and Innovative Products	1.1 Structural performance of materials	MECHANICAL BEHAVIOR OF COLUMN BASES FOR CLT ROCKING FRAMES
495	Johan Vessby	Vessby	Johan	Materials and Innovative Products	1.1 Structural performance of materials	STRUCTURAL USE OF CLT-OFFS FROM CLT-PRODUCTION – THREE EXAMPLES THAT UTILIZE THE UNIQUE PROPERTIES
507	Steffen Franke	Franke	Steffen	Materials and Innovative Products	1.1 Structural performance of materials	REINFORCEMENT OF TIMBER STRUCTURES VERSUS CLIMATE IMPACT
513	Vanesa Balfo	Balfo	Vanesa	Materials and Innovative Products	1.1 Structural performance of materials	STRUCTURAL YIELD OF HARDWOOD VS. SOFTWOOD GLULAM BEAMS
541	Hiroto Sunada	Sunada	Hiroto	Materials and Innovative Products	1.1 Structural performance of materials	EXPERIMENTAL STUDY OF THE EFFECTS OF PARTICULATE COMPRESSION PERPENDICULAR TO THE GRAIN OF HARDWOOD WITH EDGE DISTANCE ORTHOGONAL TO THE LONGITUDINAL DIRECTION
557	Carla Dickof	Dickof	Christian	Materials and Innovative Products	1.1 Structural performance of materials	Post + Blank: An Experimental Research Program for North American Point-supported CLT Panels
558	Shaikh Atikur Rahman	Rahman	Shaikh Atikur	Materials and Innovative Products	1.1 Structural performance of materials	COMPARISON BETWEEN ACTUAL AND EQUIVALENT CRACK RESISTANCE R-CURVE FOR TIMBER AND TIMBER BOND UNDER MODE-II FRACTURE
564	Kyung Sun Ahn	Ahn	Kyung Sun	Materials and Innovative Products	1.1 Structural performance of materials	EVALUATION OF TIMBER-CONCRETE SLAB CONNECTED WITH NOTCHED CONNECTION MADE OF KOREAN LARCH STRUCTURAL PLYWOOD
568	Hüseyin Emre Iğin	Iğin	Hüseyin Emre	Materials and Innovative Products	1.1 Structural performance of materials	MEASURING FIRE SAFETY PERFORMANCE: A COMPARATIVE EXPERIMENTAL STUDY ON DOVETAILED MASSIVE WOODEN BOARD ELEMENTS AND CROSS-LAMINATED TIMBER
625	Justin Dahlberg	Dahlberg	Justin	Materials and Innovative Products	1.1 Structural performance of materials	Laboratory investigation of cross-laminated decks for bridge applications
670	Arthur Rebougas	Jorge	Arthur	Materials and Innovative Products	1.1 Structural performance of materials	APPLICATION OF THE COMPONENT METHOD TO IMPROVE DUCTILITY IN MOMENT-RESISTING GLUED-IN RODS TIMBER CONNECTIONS
697	Martin Hataj	Hataj	Martin	Materials and Innovative Products	1.1 Structural performance of materials	MODE I TESTS OF NORWAY SPRUCE USING SEN-TPB: DETAILED ANALYSIS OF THE CRACK LENGTH DETERMINED USING OPTICAL METHOD
707	Michael Stoner	Stoner	Michael	Materials and Innovative Products	1.1 Structural performance of materials	INVESTIGATION OF LONG-TERM PERFORMANCE OF CLT (CREEP)
709	Laura Moysa	Moysa	Laura	Materials and Innovative Products	1.1 Structural performance of materials	EXPERIMENTAL INVESTIGATION ON DOWEL LAMINATED TIMBER MADE OF URUGUAYAN FAST-GROWING SPECIES
710	Esti Nurdiah	Nurdiah	Esti	Materials and Innovative Products	1.1 Structural performance of materials	Bamboo Griddeck: From the Material to the Structure
719	Daniel Lima	Branco	Jorge	Materials and Innovative Products	1.1 Structural performance of materials	COMPARISON BETWEEN EXPERIMENTAL RESULTS AND DESIGN EQUATIONS OF ARTIFICIALLY DEGRADED SINGLE STEP JOINTS
746	Gabriela Lufoto Oliveira	Lufoto Oliveira	Gabriela	Materials and Innovative Products	1.1 Structural performance of materials	PRELIMINARY INVESTIGATION ON SAFETY PERFORMANCE OF CLT WALL PANELS UNDER IMPACT AND SUSPENSION TESTS
761	Sovanroth Ou	Ou	Sovanroth	Materials and Innovative Products	1.1 Structural performance of materials	ENABLE THE USE OF MASS TIMBER PRODUCTS FOR NON-RESIDENTIAL BUILDINGS IN HIGH VELOCITY HURRICANE ZONES
763	Sung-Jin Paeng	Paeng	Sung-Jin	Materials and Innovative Products	1.1 Structural performance of materials	Bonding behavior of CLT joints strengthened by bridge applications
790	Marcos Cesar Pereira	Pereira	Marcos Cesar	Materials and Innovative Products	1.1 Structural performance of materials	THE PRODUCTION OF ADHESIVE-FREE CROSS-LAMINATED TIMBER (CLT) PANEL USING PRODUCTS GENERATED BY THE SUSTAINABLE MANAGEMENT OF THE AMAZONIAN OLD GROWTH FOREST
800	Daniel Lacroix	Lacroix	Daniel	Materials and Innovative Products	1.1 Structural performance of materials	DEVELOPMENT OF MATERIAL MODEL FOR PREDICTING THE STRENGTH OF FRP-REINFORCED BEAMS
802	Amal Rebhi	Rebhi	Amal	Materials and Innovative Products	1.1 Structural performance of materials	DAMAGE MODEL FOR A BIOSOURCED HETEROGENEOUS MATERIAL: APPLICATION TO TIMBER
829	Giovanni Metelli	Metelli	Giovanni	Materials and Innovative Products	1.1 Structural performance of materials	PRELIMINARY TEST RESULTS ON THE IN-PLANE STRENGTHENING OF TIMBER FLOORS WITH THE DOUBLE PLANING TECHNIQUE
78	Josif Fojat	Fojat	Josif	Materials and Innovative Products	1.2 Material modelling	Simulation of material mechanical properties of birch wood
151	Florian Brandsdtötter	Brandsdtötter	Florian	Materials and Innovative Products	1.2 Material modelling	NUMERICAL SIMULATION OF MOISTURE INDUCED CRACKING IN INDOOR CLIMATE
192	Marja Todorović	Todorović	Marja	Materials and Innovative Products	1.2 Material modelling	EXPERIMENTAL DETERMINATION OF R CURVES FOR EUROPEAN SPRUCE USING DCB TESTS
198	Ulrich Hundhausen	Hundhausen	Ulrich	Materials and Innovative Products	1.2 Material modelling	THE INFLUENCE OF WOOD COATINGS ON THE MOISTURE BUFFERING CAPACITY OF CLT AND THE INDOOR ENVIRONMENT
288	Johannes Huber	Huber	Johannes	Materials and Innovative Products	1.2 Material modelling	Evaluation of models of fibre orientation in sawn timber using synchronised computed tomography and optical scanning data
290	Stevens Collins	Collins	Stevens	Materials and Innovative Products	1.2 Material modelling	MODELLING THE EFFECT OF THREE-DIMENSIONAL GRAIN ANGLE ON THE TENSION STRENGTH OF BIRCH WOOD
421	Klara Winter	Winter	Klara	Materials and Innovative Products	1.2 Material modelling	A new Approach to Determine and Evaluate the Poisson's Ratio of Wood
541	Yuchen Chen	Chen	Yuchen	Materials and Innovative Products	1.2 Material modelling	The application of bio-insulations in the Quebec City low-rise residential house → a hygrothermal simulation study
562	Shahayegh Kurzinski	Kurzinski	Shahayegh	Materials and Innovative Products	1.2 Material modelling	Theoretical and Experimental Investigation on Predicting Longitudinal and Tangential Elastic Constants and Ratios of Wood
575	Rosaline MOUTOU-PITTI	Pitti	Nhai-Tung	Materials and Innovative Products	1.2 Material modelling	EFFECTS OF THE CROSS-LINKING OF THE CELLULOSE FIBRILLAR NETWORK ON THE MACROSCOPIC ELASTIC BEHAVIOUR OF WOOD
586	Stefania Fortino	Fortino	Stefania	Materials and Innovative Products	1.2 Material modelling	A MULTI-PHASE HYGRO-THERMAL MODEL FOR WOODEN BUILDING COMPONENTS EXPOSED TO SOLAR RADIATION
643	Romain Chevalier	Chevalier	Romain	Materials and Innovative Products	1.2 Material modelling	NUMERICAL MULTI-SCALE HOMOGENIZATION OF HYGRO-THERMO-MECHANICAL PROPERTIES OF PINUS PINASTER (AIT.) LAMELLAE CONSTITUTING GLUED LAMINATED TIMBER
713	Andreas Stenstad	Mahner	Karl-Christian	Materials and Innovative Products	1.2 Material modelling	FLEXURAL REINFORCEMENT OF TIMBER ELEMENTS ON-SITE WITH FRP ADHESIVE AND WOOD-BASED PRODUCTS
741	Diego Valdivieso Cascante	Valdivieso Cascante	Diego	Materials and Innovative Products	1.2 Material modelling	PYTHON-BASED PLATE MODEL TO SIMULATE THE EFFECT OF KNOTTY AREAS ON SAWN TIMBER
782	Christoffer Vida	Vida	Christoffer	Materials and Innovative Products	1.2 Material modelling	Sun effect of large glued laminated timber beams – Contribution to the ongoing discussion
792	Peiqing Lu	Peiqing	Lu	Materials and Innovative Products	1.2 Material modelling	MODE I FRACTURE ENERGY OF AUSTRALIAN NATIVE HARDWOOD SPOTTED GUM AT VARIOUS MOISTURE CONTENTS
102	Ryuya Takasaki	Takasaki	Ryuya	Materials and Innovative Products	1.3 Long-term behaviour	DURATION OF LOAD UNDER LONG-TERM BENDING LOAD OF LAMINATED VENEER LUMBER AND WOODEN I-BEAM
209	Ryo Takase	Takase	Ryo	Materials and Innovative Products	1.3 Long-term behaviour	DERIVATION FROM EN527 METHOD FOR EVALUATING OUTDOOR DURABILITY OF COATED FIRE-RETARDANT-TREATED WOOD
211	Jonas Sivo	Sivo	Jonas	Materials and Innovative Products	1.3 Long-term behaviour	PATINA AND ITS FORMATION ON A WOODEN CHURCH FLOOR – CASE PETÄVAESI OLD CHURCH AND VIKKI CHURCH IN HELSINKI
286	ALESSANDRO MAZZELLI	Mazzelli	Alessandro	Materials and Innovative Products	1.3 Long-term behaviour	EXPERIMENTAL INVESTIGATION ON LONG-TERM BEHAVIOR OF TIMBER-SHEAR CONNECTIONS MADE BY INCLINED SELF-TAPPING SCREWS
416	Victor Rosales	Rosales	Victor	Materials and Innovative Products	1.3 Long-term behaviour	DIMENSIONAL VARIATIONS MONITORING OF RADIATA PINE CLT PANELS: A CASE STUDY IN CONCEPCION, CHILE
469	Dawei Wang	Wang	Dawei	Materials and Innovative Products	1.3 Long-term behaviour	EFFECTS OF HUMIDITY AND LOAD LEVEL ON THE CREEP OF DOWNSCALED CROSS-LAMINATED TIMBER
538	Andreas Jorissen	Van Rie	Johnny	Materials and Innovative Products	1.3 Long-term behaviour	SHEAR CREEP OF POLYSTYRENE CORES IN WOODBASED PANELS
561	Peter Hradil	Hradil	Peter	Materials and Innovative Products	1.3 Long-term behaviour	Integrated approach to predict deterioration of mechanical properties of desiccive wood
573	Arthur Bontemps	Bontemps	Arthur	Materials and Innovative Products	1.3 Long-term behaviour	CREEP TESTS ON PARTIALLY DRIED NOTCHED BEAMS OF SILVER FIR WOOD (ABIES ALBA)
672	Thomas Lindblad	Treu	Andreas	Materials and Innovative Products	1.3 Long-term behaviour	WEAR RESISTANT PROTECTION OF WOODEN POLES IN ADVERSE ENVIRONMENTS
635	Jonas Nilkewski	Nilkewski	Jonas	Materials and Innovative Products	1.3 Long-term behaviour	Simplified environmental analysis in the long-term performance of wood cladding and decking
641	Jiri Kurecky	Kurecky	Jiri	Materials and Innovative Products	1.3 Long-term behaviour	ON THE USE OF ARJCO MARKERS IN LONG-TERM MONITORING OF TIMBER STRUCTURES
728	María Pilar Giráldez	Giráldez	María Pilar	Materials and Innovative Products	1.3 Long-term behaviour	EXPERIMENTAL STUDY OF THE EFFECTS OF ACCELERATED AGING ON THE FIRE REACTION PERFORMANCE OF FIVE WOOD SPECIES
732	Julian Broggi	Broggi	Julian	Materials and Innovative Products	1.3 Long-term behaviour	LONG TERM BEHAVIOR OF A TWO-WAY SPANNING TIMBER CONCRETE SLAB WITH STEEL TUBE CONNECTOR
743	Maryam Shirmohammadi	Shirmohammadi	Maryam	Materials and Innovative Products	1.3 Long-term behaviour	INVESTIGATING THE EFFECTS OF MOISTURE INGRESS ON THE PERFORMANCE AND SERVICE LIFE OF AUSTRALIAN MASS TIMBER PANELS-CHARACTERIZATION OUTCOMES
3	Marc Pantscharowitsch	Pantscharowitsch	Marc	Materials and Innovative Products	1.4 Engineered timber products and production	ON THE UTILISATION OF THE WORKSPACE OF AN INDUSTRIAL ROBOT FOR MILLING STRUCTURAL TIMBER COMPONENTS – EXPERIMENTAL TRIALS WITH DIFFERENT ARM POSITIONS AND EVALUATION OF SURFACE QUALITY
88	Nakajima	Nakajima	Shiro	Materials and Innovative Products	1.4 Engineered timber products and production	SHEAR THROUGH THE THICKNESS PROPERTY OF SCREW LAMINATED CROSS LAMINATED TIMBER
199	Suthon Sivaro	Sivaro	Suthon	Materials and Innovative Products	1.4 Engineered timber products and production	IMPACT OF MATERIAL CHARACTERISTICS, ADHESIVE TYPES, AND CLAMPING PRESSURES ON BONDING PERFORMANCE OF RUBBERWOOD
263	David Obenroster	Obenroster	David	Materials and Innovative Products	1.4 Engineered timber products and production	BIRCH FOR ENGINEERED TIMBER PRODUCTS - PART B
313	Jens Hartig	Hartig	Jens	Materials and Innovative Products	1.4 Engineered timber products and production	Investigations on multifunctional timber elements impregnated with paraffinic phase change materials
314	Birger Buschmann	Buschmann	Birger	Materials and Innovative Products	1.4 Engineered timber products and production	Additive Manufacturing of Wood Composite Parts by Individual-layer Fabrication – The Production Process and Respective Machinery
331	Carla Fruehwald-Koenig	Fruehwald-Koenig	Carla	Materials and Innovative Products	1.4 Engineered timber products and production	Elastomechanical Properties of Glued Laminated Timber Made of Strength-Graded Oil Palm Lumber
356	Martin Hackel	Hackel	Martin	Materials and Innovative Products	1.4 Engineered timber products and production	FLEXURAL PROPERTIES OF OIL PALM WOOD BASED GLUE LAMINATED TIMBER USING FINITE ELEMENT METHOD
434	Mikael Perstoper	Perstoper	Mikael	Materials and Innovative Products	1.4 Engineered timber products and production	BENDING PROPERTIES OF 100 NARROW CLT-BASED BOARDS – STATIC AND DYNAMIC TESTS, FE-MODELLING AND DIC ANALYSIS
435	Lei Han	Han	Lei	Materials and Innovative Products	1.4 Engineered timber products and production	DENSIFIED WOODEN NAIL FOR ADHESIVE- AND METAL-FREE TIMBER ASSEMBLES
441	Farid Valafar	Valafar	Farid	Materials and Innovative Products	1.4 Engineered timber products and production	EXPERIMENTAL INVESTIGATION OF FINGER JOINTS UNDER TENSILE AND BENDING LOADS
454	Mohammad Dersikvand	Dersikvand	Mohammad	Materials and Innovative Products	1.4 Engineered timber products and production	Potential of using sawdust based adhesive for producing glued laminated timber elements with wooden connectors
459	Pamela Poblete	Poblete	Pamela	Materials and Innovative Products	1.4 Engineered timber products and production	Outlook for structural sawnwood production (SSP) in the sawmilling industry in Chile: Analysis of four years of surveys
684	Cristóbal Tapia Camú	Tapia Camú	Cristóbal	Materials and Innovative Products	1.4 Engineered timber products and production	LVL-based column-head reinforcement for the transmission of concentrated vertical loads in point-supported slab-column connections
735	Jörg Wehsener	Wehsener	Jörg	Materials and Innovative Products	1.4 Engineered timber products and production	Mechanical Properties tests of delignified and densified wood
774	Kevin Moreno Gata	Moreno Gata	Kevin	Materials and Innovative Products	1.4 Engineered timber products and production	DEVELOPING CONSTRUCTION METHODS FOR NATURALLY GROWN TIMBER AS LOAD BEARING ELEMENTS

15	Paolo Lavisci	Lavisci	Paolo	Materials and Innovative Products	1.5 Quality control of timber-based materials	IN-GRADE CLT FROM UNGRADED PINUS RADIATA BOARDS
21	Julio Cesar Molina	Molina	Julio Cesar	Materials and Innovative Products	1.5 Quality control of timber-based materials	COLLAGE QUALITY OF BRAZILIAN WOODS FOR USE IN GLUED LAMINATED TIMBER BEAMS
46	Andreas Wiedenhillner	Wiedenhillner	Andreas	Materials and Innovative Products	1.5 Quality control of timber-based materials	Non-parametric lower confidence bounds for the fifth percentile – EN 14358 in comparison to a fully non-parametric approach
85	LIF Lemke	Johansson	Marie	Materials and Innovative Products	1.5 Quality control of timber-based materials	NEW CRITERIA FOR STRENGTH AND GRADING OF SLAWN TIMBER FROM BIRCH GROWN IN SWEDEN
100	Jens Fröhnmüller	Fröhnmüller	Jens	Materials and Innovative Products	1.5 Quality control of timber-based materials	FIBRE-OPTIC MEASUREMENTS FOR MONITORING ADHESIVELY BONDED COMPOSITE BEAMS
200	Boris Poupet	Poupet	Boris	Materials and Innovative Products	1.5 Quality control of timber-based materials	Local moisture content and moisture gradient analysis during sawn timber drying
289	Stanley Emeke Iwuoha	Iwuoha	Stanley Emeke	Materials and Innovative Products	1.5 Quality control of timber-based materials	VARIATION IN MECHANICAL PROPERTIES WITHIN AND BETWEEN PLANTATION-GROWN GUMBA ARBOREA TREES
480	Andreas Wiedenhillner	Wiedenhillner	Andreas	Materials and Innovative Products	1.5 Quality control of timber-based materials	Prediction of Douglas Fir Sawn Timber Yield Based on Log Computed Tomography
482	Franka Erischert	Heilmann	Nicolas	Materials and Innovative Products	1.5 Quality control of timber-based materials	GREEN CMC BUILDING MATERIALS FOR WOODS. PART 1: CHARACTERIZATION OF THE RAW MATERIAL
629	David Gil-Moreno	Gil-Moreno	David	Materials and Innovative Products	1.5 Quality control of timber-based materials	CONSIDERATIONS FOR GRADING SPECIES COMBINATIONS. THE EXAMPLE OF DOUGLAS FIR WITH LARCH IN IRELAND AND UK
634	Ridley-Ellis	Daniel	Daniel	Materials and Innovative Products	1.5 Quality control of timber-based materials	Considerations for grading species combinations. General remarks on scenarios and requirements.
699	Michal Klobner	Klobner	Michal	Materials and Innovative Products	1.5 Quality control of timber-based materials	PREDICTION OF SAWLOG TWISTING BASED ON MEASURED SPIRAL GRAIN OF SPRUCE TRUNKS AND LOGS
810	Prabhath Gunasekaran	Prabhath	Kolbe	Materials and Innovative Products	1.5 Quality control of timber-based materials	Acoustic-Based Defect Identification in Timber Using Uniform Manifold Approximation and Projection (UMAP)
71	Jana Kolbe	Kolbe	Jana	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	GLUED-IN HARDWOOD RODS USING BIO-SOURCED ADHESIVES – PART I: INVESTIGATIONS UNDER LABORATORY CONDITIONS
72	Jana Kolbe	Kolbe	Jana	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	GLUED-IN HARDWOOD RODS USING BIO-SOURCED ADHESIVES – PART II: INFLUENCE OF ENVIRONMENTAL CONDITIONS
77	Hongjun Wang	Wang	Hongjun	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	MATERIAL FLOW ANALYSIS AND CARBON FOOTPRINT OF FOREST RESOURCES IN JAPAN: A CASE STUDY OF BUILDING MATERIAL
83	Tadashi Hara	Hara	Tadashi	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	GROUND IMPROVEMENT EFFECT OF TIMBER PILES BURIED IN SOFT CLAY GROUND
96	Nayya Kozva	Nayya	Carina	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	STUDY ON ENVIRONMENT DECORROSION AND STRENGTH OF CLT WHEN TEMPORARILY USED ON CIVIL ENGINEERING
101	Carina Hartmann	Hartmann	Carina	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	DEVELOPMENT OF FUTURE-ORIENTED CONCEPTS FOR AGRICULTURAL CONSTRUCTION WITH CIVIL ENGINEERING
180	Richard Hough	Hough	Richard	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	Building Toward Zero Embodied Carbon
234	Mohamad Badder-Eddin	Leonard	Samantha	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	Trade-offs in embodied carbon and acoustic insulation for mass timber floor assemblies
256	Alineza Fadel	Fadel	Alineza	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	ECOLOGICAL PERFORMANCE AND RECYCLABILITY OF TIMBER-BASED CONSTRUCTIONS
293	Annette Harte	Harte	Annette	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	Embedment strength of recovered spruce and oak
317	Makoto Imai	Imai	Makoto	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	PROPOSAL OF A METHOD FOR ESTIMATING THE RESIDUAL STRENGTH FROM THE DEPTH OF PILODYN PENETRATING FOR A CYLINDRICAL MEMBER
335	Annette Harte	Harte	Annette	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	Bending characteristics of CLT from recovered spruce
452	Meng-Tring Tai	Tai	Meng-Tring	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	COMPARISON OF ENERGY EFFICIENCY BETWEEN WOODEN-BASED HYBRID STRUCTURE SYSTEM AND RC STRUCTURE SYSTEM IN SUBTROPICAL AND TROPICAL AREA
581	Rami Debarashah	Keatnaldi	Keatnaldi	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	ENVIRONMENTAL IMPACT OF CLT CONSTRUCTION FROM TIMBER CHOICES FOR CLIMATE ACTION: A SIMULATION APPROACH
716	Antonio Costa	Costa	Antonio	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	DEVELOPMENT OF MATERIAL FOR CIVIL CONSTRUCTION FROM BABAU PALM FIBERS
745	Weichiang Pang	Pang	Weichiang	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	Exploring the Structural Design, Cost, and Durability of Mass Timber Noise Barrier for Highway Applications
815	Leticia do Nascimento Costa	Costa	Leticia do Nascimento	Sustainability and Environmental Impact	2.1 Sustainable environment and use of wood	CORROSION INHIBITOR POTENTIAL WITH BOLDO BRASILEIRO COMPARED TO COMMERCIAL INHIBITOR IN WOOD CONNECTION
79	Ozdem Ozdemir	Ozdemir	Ozdemir	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	LIFE CYCLE ASSESSMENT ON DIFFERENT TIMBER BRIDGE TYPES: DECK BRIDGE, BLOCK GIRDER BRIDGE, TROUGH BRIDGE, PYLON BRIDGE
98	Naoyun Zhang	Zhang	Naoyun	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	STRUCTURAL AND LIFE-CYCLE COMPARE TO A TIMBER-CONCRETE HYBRID BUILDING
184	Zofia Varga	Varga	Zofia	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	EVALUATION OF THE RECYCLABILITY OF TIMBER BEAM STRUCTURES
284	Ilott Susterics	Stepinac	Mislav	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	HOLISTIC DESIGN OF TALLER TIMBER BUILDINGS – COST ACTION HELEN (CA20139)
299	Silvia Santini	Santini	Silvia	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	Sustainable assessment: a contribution to improve the reliability of NDT on old chestnut purlins
405	Steven Kontra	Kontra	Steven	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	DESIGN AND ON-SITE LIFE-CYCLE ASSESSMENT OF A FULL-SCALE SIX-STORY SHAKE-TABLE TEST BUILDING
450	Azma Waqar	Waqar	Azma	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	Comparative life cycle assessment of precast concrete walls with concrete and CLT-wall elements
579	Raja Modaresi	Modaresi	Raja	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	A cradle-to-gate life cycle assessment (LCA) of five selected Norwegian sawmills
590	Hooman Estami	Estami	Hooman	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	INFLUENCE OF DIFFERENT END-OF-LIFECYCLE SCENARIOS ON THE ENVIRONMENTAL IMPACTS OF TIMBER-CONCRETE COMPOSITE FLOOR SYSTEMS
621	Jaewon Oh	Oh	Jaewon	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	A Structural-Member Level Assessment Of The Environmental Impact Of Timber Reinforced Concrete And Steel In Building Construction
657	Guido Rauche	Rauche	Guido	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	HYBRID STRUCTURES IN BUILDINGS: THE USE OF APPROPRIATE MATERIALS
679	David Rauche	Rauche	David	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	BENCHMARK LIFE-CYCLE AND CONSTRUCTIBILITY ASSESSMENT OF COMPOSITE STEEL-TIMBER SYSTEMS
690	Efhymia Ratsou Stahr	Ratsou Stahr	Efhymia	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	Meeting the 2050 Paris agreement targets using massive timber in school buildings
711	Felipe Victorero	Victorero	Felipe	Sustainability and Environmental Impact	2.2 Sustainability and Life cycle assessment	REVIEW AND COMPARISON OF DIFFERENT TIMBER BUILDING PRODUCTS' EMBODIED EMISSIONS USING FREE DATABASES
354	Mark Fretz	Fretz	Mark	Sustainability and Environmental Impact	2.3 Zero Emission Building Technologies	Developing an Application For Mass Plywood Panels In Seismic And Energy Wall Retrofits
312	Ingrid Bakke	Bakke	Ingrid	Sustainability and Environmental Impact	2.5 Human perception & health	Emission of Volatile Organic Compounds from Wood Materials and Impact on Indoor Air Quality
345	Takashi Shima	Shima	Takashi	Sustainability and Environmental Impact	2.5 Human perception & health	COMBINED EFFECTS OF VISUAL AND OLFACTORY STIMULATION BY INTRODUCING WOOD WHILE WORKING OR RESTING
385	Pasi Aalto	Aalto	Pasi	Sustainability and Environmental Impact	2.5 Human perception & health	WOOD INTERIORS IN ARCHITECTURE: AN EYE-TRACKING STUDY
824	Bror Sundqvist	Sundqvist	Bror	Sustainability and Environmental Impact	2.5 Human perception & health	Cross-laminated panels wood panels in a patient room and studies of interior environment
832	Ute Groba	Groba	Ute	Sustainability and Environmental Impact	2.5 Human perception & health	CIRCULAR WOOD CONSTRUCTION – EXPECTATIONS, EXPERIENCES AND ACCEPTANCE AMONG USERS, ARCHITECTS AND INDUSTRY REPRESENTATIVES
283	Akiho Ohtsuka	Ohtsuka	Akiho	Sustainability and Environmental Impact	2.7 Building operation & maintenance	FUNDAMENTAL STUDY ON REPAIR OF EPOXY RESIN WITH GELCOSE FIBER TO RECOVER BENDING PERFORMANCE OF WOODEN PARTS
509	Bettina Franke	Franke	Bettina	Sustainability and Environmental Impact	2.7 Building operation & maintenance	Quality assurance of timber structures by new monitoring methods for the moisture content of wood
619	Naoki Kakehashi	Kakehashi	Naoki	Sustainability and Environmental Impact	2.7 Building operation & maintenance	Current status of maintenance of thatched roofs in Shikoku
23	Keita Ogawa	Ogawa	Keita	Timber Engineering	3.1 Connections	EFFECT OF RESIN IMPREGNATION INTO WOOD CELL ON LATERAL RESISTANCE OF SCREWED JOINT CONNECTING SOLID WOOD AND STEEL PLATE
28	Joshua Woods	Woods	Joshua	Timber Engineering	3.1 Connections	Structural performance of glulam timber-steel braced connections reinforced with self-tapping screws
39	Jan Niederwestberg	Niederwestberg	Jan	Timber Engineering	3.1 Connections	PREDICTION OF WITHDRAWAL STIFFNESS OF SELF-TAPPING SCREWS
47	Yewei Ding	Ding	Yewei	Timber Engineering	3.1 Connections	BNN-BASED MONOTONIC LOADING BEHAVIOR PREDICTION OF CLT JOINTS
55	Tianxiao Yin	Yin	Tianxiao	Timber Engineering	3.1 Connections	CYCLIC BEHAVIOR OF MORTISE-TENON JOINTS REINFORCED BY SELF-TAPPING SCREW
65	Kjell Arne Malo	Malo	Kjell Arne	Timber Engineering	3.1 Connections	SERVICEABILITY STIFFNESS FOR TIMBER CONNECTIONS WITH DOWELS AND SLOTTED-IN STEEL PLATES
82	Michael Schweigler	Schweigler	Michael	Timber Engineering	3.1 Connections	MOISTURE AND ASSEMBLY HISTORY EFFECTS ON EMBEDMENT PROPERTIES OF STEEL DOWELS IN SPRUCE AND BIRCH
87	Lars Blomqvist	Blomqvist	Lars	Timber Engineering	3.1 Connections	EXPERIMENTAL AND NUMERICAL ANALYSES OF A CONNECTION FOR CLT STRUCTURES
94	Lei Zhang	Zhang	Lei	Timber Engineering	3.1 Connections	Robustness of Adhesively Bonded Panel-to-Panel Connections in CLT Floors
125	Lea Buchholz	Buchholz	Lea	Timber Engineering	3.1 Connections	Experimental Investigations on the Stiffness of Steel-Timber Dowel-Type Connections in Beech LVL
138	Zoe Baird	Baird	Zoe	Timber Engineering	3.1 Connections	Seismic Performance of Bolted Glulam Timber Brace Connections with Internal Steel Plates
150	Maaski Maeda	Maeda	Maaski	Timber Engineering	3.1 Connections	DEVELOPMENT OF A NOVEL JOINT SYSTEM FOR MID-TO-HIGH-RISE CLT WALL BUILDINGS IN SEISMIC REGIONS
159	Zhenyao Li	Zhenyao	Li	Timber Engineering	3.1 Connections	A NOVEL DAMAGE-CONTROLLING INTERLOCKING INTER-MODULE CONNECTION SYSTEM FOR CROSS LAMINATED TIMBER VOLUMETRIC STRUCTURES
169	Luis Yerman	Yerman	Luis	Timber Engineering	3.1 Connections	IMPACT OF MOISTURE CYCLING ON SCREW WITHDRAWAL CAPACITY OF TREATED AND UNTREATED RADIIATA PINE
204	Haris Stamatiopoulos	Stamatiopoulos	Haris	Timber Engineering	3.1 Connections	ANALYSIS AND DESIGN ASPECTS OF MOMENT-RESISTING, BEAM-TO-COLUMN, TIMBER CONNECTIONS WITH INCLINED THREADED RODS: FROM FASTENER LEVEL TO CONNECTION LEVEL
241	Johannes Huber	Huber	Johannes	Timber Engineering	3.1 Connections	Application of a tie connector for catenary action in CLT floors
242	Mohammad Masroor	Masroor	Mohammad	Timber Engineering	3.1 Connections	EXPERIMENTAL VALIDATION OF PROPOSED CAPACITY-BASED DESIGN APPROACHES FOR MULTI-PANEL CLT SHEARWALLS
246	Boris Azinovic	Boris	Boris	Timber Engineering	3.1 Connections	GLUED-IN ROD CLT CONNECTIONS WITH FLEXIBLE POLYMER ADHESIVE
261	Keonho Kim	Keonho	Kim	Timber Engineering	3.1 Connections	Evaluation of Bearing Strength Performance of STS Connection According to Bearing Section on Loading direction
262	Yuri De Santis	De Santis	Yuri	Timber Engineering	3.1 Connections	Inclined screw connections: beam on foundation non-linear modelling
270	Jesper Kierkegaard Hansen	Hansen	Jesper Kierkegaard	Timber Engineering	3.1 Connections	A Fracture Mechanical and Anisotropic FE Model of a Reversible Timber Joint and Experimental Verification
278	Le Kval	Sigurdur	Le Kval	Timber Engineering	3.1 Connections	NUMERICAL AND EXPERIMENTAL STUDY OF GLULAM BEAMS JOINED WITH SLOTTED-IN STEEL PLATE CONNECTION
303	Alexander Salenikovitch	Salenikovitch	Alexander	Timber Engineering	3.1 Connections	PERFORMANCE OF GLUED-IN RODS IN GLULAM AND MPP IN TENSION AND COMPRESSION
302	Bérlot Vincent Feujofack Kemda	Feujofack Kemda	Bérlot Vincent	Timber Engineering	3.1 Connections	QUASI-STATIC CYCLIC TESTS IN NOVEL HIGH-PERFORMANCE CONNECTIONS FOR MASS-TIMBER PANELS
318	Tsuhaba Seguchi	Seguchi	Tsuhaba	Timber Engineering	3.1 Connections	JOINT PERFORMANCE TESTING OF A CLAMPED JOINT FOR TIMBER STRUCTURES AND APPLICATION TO STRUCTURAL DESIGN
321	Michael Schwelger	Schwelger	Michael	Timber Engineering	3.1 Connections	Experimental study on control parameters for automatic application of on-site performance assessment of joints with self-tapping timber screws
343	Dio Lins	Lins	Dio	Timber Engineering	3.1 Connections	INFLUENCE OF LOW CURING TEMPERATURES ON THE STRENGTH DEVELOPMENT OF END-GRAIN BONDED TIMBER
349	Ricardo Fanti	Fanti	Ricardo	Timber Engineering	3.1 Connections	EXPERIMENTAL CHARACTERIZATION OF MULTI-DIRECTIONAL BEHAVIOUR OF ANGLE BRACKETS
380	Eleni Toumpanski	Toumpanski	Eleni	Timber Engineering	3.1 Connections	ASSESSMENT OF COMBINED EFFECTS OF AXIAL AND LATERAL LOADING OF GLUED-IN ROD CONNECTIONS IN LVL
383	Thomas Sieb	Sieb	Thomas	Timber Engineering	3.1 Connections	SOLUTIONS FOR EDGE CONNECTIONS TO BUILD UP TWO-WAY SPANNING CROSS LAMINATED TIMBER SLABS
392	Lucia Pozza	Pozza	Lucia	Timber Engineering	3.1 Connections	EXPERIMENTAL AND ANALYTICAL ANALYSIS OF TIMBER CONNECTIONS WITH INTERPOSED ACOUSTIC RESILIENT STRIP
395	Viktor Norbäck	Norbäck	Viktor	Timber Engineering	3.1 Connections	ON-SITE GLUING AND WEATHER EFFECTS ON TALL WOODEN WIND TURBINE TOWERS
397	Gonzalo Cabrera	Baño	Vanesa	Timber Engineering	3.1 Connections	INFLUENCE OF DENSITY AND PREDRILL IN THE EMBEDMENT STRENGTH OF TWO HARDWOOD SPECIES
406	Robert Jockwer	Jockwer	Robert	Timber Engineering	3.1 Connections	TOWARDS ADAPTABILITY AND CIRCULARITY OF TIMBER BUILDINGS
417	Christopher Pitt	Pitt	Christopher	Timber Engineering	3.1 Connections	STRUCTURAL PERFORMANCE OF HIGH-CAPACITY GLULAM MOMENT CONNECTIONS
424	Zidi Yan	Yan	Zidi	Timber Engineering	3.1 Connections	THE IMPACTS OF SCREW TIP, INCLINED ANGLES AND NUMBER OF PENETRATION LAYERS ON SCREW WITHDRAWAL CAPACITY OF AUSTRALIAN MACHINE GRADED PINE
425	Firas Hawasy	Hawasy	Firas	Timber Engineering	3.1 Connections	DESIGNING AND TESTING OF A NOVEL ONLY TIMBER FRAME JOINT INSPIRED BY THE SEAMLESS FIBER CONTINUITY OF TREES' STEM-BRANCH JUNCTION
426	Takahiro Tsuchimoto	Tsuchimoto	Takahiro	Timber Engineering	3.1 Connections	Performance Verification and Trial Design for High-rise Timber Frame Buildings with Buckling-Restrained BracePart 1 Connection and Frame Testing
455	Luka Vopjovic	Vopjovic	Luka	Timber Engineering	3.1 Connections	Disproportionate collapse resistance of CLT buildings – experimental study of a typical connection
499	Tsuyoshi Akagawa	Akagawa	Tsuyoshi	Timber Engineering	3.1 Connections	AN EXPERIMENTAL STUDY ON SHEAR PERFORMANCE OF CLT DOWEL JOINTS WITH SHEAR PLATES
509	Bettina Franke	Franke	Bettina	Timber Engineering	3.1 Connections	BONDED-IN RODS IN BEECH GLULAM – EFFICIENCY OF A RECESS IN THE BONDLINE
533	Younes Shirmohammadi	Shirmohammadi	Younes	Timber Engineering	3.1 Connections	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF CROSS-LAMINATED TIMBER JOINTS WITH MULTIPLE GLUED-IN RODS
595	Ninni Westerholm	Westerholm	Ninni	Timber Engineering	3.1 Connections	POSSIBILITIES TO PROMOTE CIRCULAR ECONOMY IN MID-RISE TIMBER CONSTRUCTION IN THE PROJECT PLANNING AND EARLY DESIGN PHASES
606	Petri Selköt	Selköt	Petri	Timber Engineering	3.1 Connections	BEAM ON ELASTIC FOUNDATION MODEL OF MECHANICAL PROPERTIES OF RING NAILS AND HEAVY-DUTY SCREWS
607	Petri Selköt	Selköt	Petri	Timber Engineering	3.1 Connections	DUCTILITY OF WOOD CONNECTIONS WITH SDS SCREWS OR RING NAILS AND ANGLE BRACKETS
614	Matthias Braun	Braun	Matthias	Timber Engineering	3.1 Connections	Experimental investigations on timber step joints determining the influence of intentionally placed inaccuracies on the load-bearing behaviour
615	Jørgen Tycho	Flindal	Ona	Timber Engineering	3.1 Connections	Hale Tre: Norway's first timber office building designed for disassembly and reuse
689	José Manuel Cabrero	Moreno	Ezequiel	Timber Engineering	3.1 Connections	CONNECTIONS TESTING AND RELIABILITY ASSESSMENT OF TIMBER CONNECTIONS WITH DOWEL-TYPE FASTENERS
691	Jørgen March-Andersen	March-Andersen	Jørgen	Timber Engineering	3.1 Connections	UPPER AND LOWER LIMITS TO TIMBER CONNECTIONS AND COMPARISON WITH REVISED EN
694	Roberta Scotta	March	Lucha	Timber Engineering	3.1 Connections	Strength characterization of overlapped timber self-tapping screws

700	Kenji Kobayashi	Kobayashi	Kenji	Timber Engineering	3.1 Connections	MEASUREMENT OF AXIAL FORCE OF SCREWS FOR SPLIT REINFORCEMENT AT TIMBER-STEEL-TIMBER DOWEL JOINT
701	Kai Simon	Simon	Kai	Timber Engineering	3.1 Connections	Rigid glulam joints to concrete abutments with glued-in and cast steel plates
704	Tianxiang Wang	Wang	Tianxiang	Timber Engineering	3.1 Connections	GLULAM FRAMES ADHESIVELY BONDED BY MEANS OF BIRCH PLYWOOD PLATES: PRELIMINARY INVESTIGATIONS
717	Jorge Blanco	Blanco	Jorge	Timber Engineering	3.1 Connections	PROTOCOLS FOR CYCLIC TESTS OF TIMBER JOINTS AND DISCS
775	Katrin Vögele	Vögele	Katrin	Timber Engineering	3.1 Connections	STRUCTURAL CHARACTERISTICS AND DEFORMATION BEHAVIOUR OF AN ADVANCED CARPENTRY CONNECTION IN TIMBER CONSTRUCTION
780	Elena Perria	Perria	Elena	Timber Engineering	3.1 Connections	REPAIR CONNECTION WITH WOODEN WEDGED DOWELS: AXIAL TENSILE AND SHEAR VERIFICATIONS
826	Hafifah Salamah	Salamah	Hafifah	Timber Engineering	3.1 Connections	INVESTIGATION OF STRUCTURAL BEHAVIOR OF WOODEN TRADITIONAL JOINTS BY FINITE ELEMENT MODELING
79	Sivert Lie	Sivert	Sivert	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	SEISMIC ANALYSIS OF A MULTI-STORY TIMBER-CONCRETE BUILDING AND DESIGNING FOR REUSE
167	Hirotaki Kubota	Kubota	Hirotaki	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	Development of Temporary Structure Using CLT Panel Invention of Construction and Verification by Construction Experiment
193	Yiva Sandin	Sandin	Yiva	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	HOW TIMBER BUILDINGS CAN BE DESIGNED FOR DECONSTRUCTION AND REUSE – IN ACCORDANCE WITH ISO 20887
214	Alfredo Romero	Romero	Alfredo	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	PUSH-OUT TESTS ON CONNECTIONS FOR DEMOUNTABLE AND REUSABLE STEEL-TIMBER COMPOSITE BEAM AND FLOORING SYSTEMS
231	Benjamin Kromoser	Reinhald	Bernhard	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	3DP Biowall - Circular Economy in Wood Construction through Additive Manufacturing of Fully Recyclable Walls
233	Mohammad Derikvand	Derikvand	Mohammad	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	Structural performance of a deconstructable CLT-concrete composite floor element with pre-existing concrete cracks
296	Namhyuck Ahn	Namhyuck	Ahn	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	ENHANCING MASS TIMBER BUILDINGS FOR CIRCULARITY: LIFE CYCLE ASSESSMENT OF A MASS TIMBER BUILDING WITH DIFFERENT END-OF-LIFE (EOL) AND POST-EOL OPTIONS
370	Xavier Estrella	Estrella	Xavier	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	TOWARDS CIRCULAR ECONOMY IN THE CONSTRUCTION INDUSTRY: A REUSABLE TIMBER SLAB-AND-COLUMN SYSTEM FOR BUILDING STRUCTURES
378	Daniel F. Llana	Fernandez Llana	Daniel	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	ENGINEERED WOOD PRODUCTS MANUFACTURED FROM RECLAIMED HARDWOOD TIMBER
486	Jonas Warmuth	Warmuth	Jonas	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	REUSE OF LOAD-BEARING TIMBER ELEMENTS – CASE STUDY OF A LOOKOUT TOWER IN LAUSANNE, SWITZERLAND
500	Tuomo Routanen	Routanen	Tuomo	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	VALUES OF RECLAIMED TIMBER
605	Maxence Lebossé	Lebossé	Maxence	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	CHALLENGES IN THE DESIGN OF A MODULAR MULTI-STORY CLT BUILDING USING IRISH TIMBER
623	Patrick McGettrick	McGettrick	Patrick	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	Re-Source Pavilion – Exploring the Circular Use of Wooden Building Materials
644	Ute Groba	Groba	Ute	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	Adaptability in multi-storey timber buildings: towards differentiated durability layers in architecture
672	Ethier Vandamme	Vandamme	Ethier	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	PROPOSAL OF INTERACTIVE WORKFLOW FOR CIRCULAR TIMBER STRUCTURE DESIGN
683	Marcin Luczkowski	Luczkowski	Marcin	Timber Engineering	3.10 Circular design for sustainability, altered use, and reuse of buildings & components	ENERGY DEMAND FOR THE DRIVING IN OF SELF-TAPPING TIMBER SCREWS AND ITS APPLICABILITY
479	David Glasner	Glasner	David	Timber Engineering	3.11 RILEM TC TPT	Influence of the specimen preparation on the embedding strength of self-tapping screws
565	Michael Götstetter	Götstetter	Michael	Timber Engineering	3.11 RILEM TC TPT	INFLUENCE OF TEST METHODS ON THE PARALLEL TO GRAIN EMBEDMENT STRENGTH AND FOUNDATION MODULUS CHARACTERIZATION
674	Caroline Dapieve Aquino	Dapieve Aquino	Caroline	Timber Engineering	3.11 RILEM TC TPT	DEVELOPMENT OF COMPARATIVE TEST PROCEDURES FOR HIGH-PERFORMANCE BONDED-IN RODS
68	Robert Lackner	Lackner	Robert	Timber Engineering	3.11 RILEM TC TPT	Fire performance of penetrations in glulam beams: a preliminary study
66	Laura Häsibugh	Häsibugh	Laura	Timber Engineering	3.2 Fire engineering	EVALUATION METHOD OF MECHANICAL PROPERTIES WITH HEAT AND WATER TRANSFER ANALYSIS IN WOODEN MEMBERS EXPOSED TO FIRE HEATING
93	Tatsuro Suzuki	Suzuki	Tatsuro	Timber Engineering	3.2 Fire engineering	HEAT DELAMINATION IN CROSS LAMINATED TIMBER: INTERMEDIATE SCALE TEST BASED UPON THE NORTH AMERICAN STANDARDS
112	Samuel Zelinka	Zelinka	Samuel	Timber Engineering	3.2 Fire engineering	A NEW METHOD FOR MODELLING TEMPERATURE WITHIN STEEL BAR - TIMBER COMPOSITE BEAM USING DATA BY BURNING TEST
117	Shiuka Matsushita	Matsushita	Shiuka	Timber Engineering	3.2 Fire engineering	Travelling fire in compartments with exposed cross-laminated timber surfaces
127	Andreas Sæter Bæ	Sæter Bæ	Andreas	Timber Engineering	3.2 Fire engineering	CHARACTERIZING THE FIRE PERFORMANCE OF ADHESIVES USED IN GLUED-IN RODS CONNECTIONS
133	Diego Flores	Flores	Diego	Timber Engineering	3.2 Fire engineering	Numerical Modelling of Contemporary Mass Timber Connections in Fire
196	Mathieu Létourneau-Gagnon	Létourneau Gagnon	Mathieu	Timber Engineering	3.2 Fire engineering	BURNING TEST OF STEEL BAR - TIMBER COMPOSITE BEAM
207	Shiuka Matsushita	Matsushita	Shiuka	Timber Engineering	3.2 Fire engineering	Advanced fire modelling in support to performance-based fire design of timber buildings
223	Christian Dagenais	Dagenais	Christian	Timber Engineering	3.2 Fire engineering	EFFECT OF THE INITIAL LAYER THICKNESS AND THE BARREL LAYER TYPE ON SELF-EXTINGUISHING FOR WOODEN FIREPROOF-STRUCTURAL ELEMENTS
260	Tomoyo HOSOKAWA	Hosokawa	Tomoyo	Timber Engineering	3.2 Fire engineering	FIRE TESTING OF EXTERNAL CROSS-LAMINATED TIMBER WALLS TO NFPA 285
306	David Barber	Barber	David	Timber Engineering	3.2 Fire engineering	FIRE SAFETY OF MID-RISE BUILDINGS WITH LIGHT TIMBER STRUCTURES – STUDIES OF THE FIRE RESISTANCE OF A NOVEL CONSTRUCTION SYSTEM
323	Kathinka L. Friquin	Friquin	Kathinka	Timber Engineering	3.2 Fire engineering	EXPLORING THE INFLUENCE OF HEATING CONDITIONS IN THE CHARRING PROFILE OF BARE TIMBER AND TIMBER PROTECTED WITH A THIN INTUMESCENT COATING
340	Cristian Maluk	Maluk	Cristian	Timber Engineering	3.2 Fire engineering	MEASUREMENT OF DIRECTIONAL CHARRING CHARACTERISTICS OF MASSIVE TRANSPORTATION IN WOOD UNDER HEATING
372	Hiroaki Kimura	Kimura	Hiroaki	Timber Engineering	3.2 Fire engineering	FIRE SAFETY ENGINEERING OF BUILDINGS WITH VISIBLE TIMBER CONSTRUCTIONS
407	Martin Hagen	Hagen	Martin	Timber Engineering	3.2 Fire engineering	USING X-RAY COMPUTED TOMOGRAPHY TO MEASURE FIRE DEGRADATION OF A TIMBER CONNECTION
436	Johannes A. J. Huber	Rodrigues	Quentin	Timber Engineering	3.2 Fire engineering	OBSERVATIONS OF SMOULDERING FIRE IN A LARGE TIMBER COMPARTMENT
457	Harry Mitchell	Mitchell	Harry	Timber Engineering	3.2 Fire engineering	EXPERIMENTAL INVESTIGATION OF THE RELATIONSHIP BETWEEN TIMBER SPECIES AND SMOULDERING
474	Wenxuan Wu	Wu	Wenxuan	Timber Engineering	3.2 Fire engineering	Predicting the effective char depth in timber elements exposed to natural fire, including the cooling phase
477	Andrea Lucchini	Lucchini	Andrea	Timber Engineering	3.2 Fire engineering	EXPERIMENTAL AND FINITE ELEMENT ANALYSIS OF IRISH SITKA SPRUCE CLT WALL PANELS UNDER EXPOSURE TO STANDARD FIRE CONDITIONS
505	Muhammad Yasar	Yasar	Muhammad	Timber Engineering	3.2 Fire engineering	A design approach to external fire spread from buildings with exposed mass timber
518	Adam Glew	Glew	Adam	Timber Engineering	3.2 Fire engineering	NUMERICAL ANALYSIS ON THE FLEXURAL PERFORMANCE OF COMPOSITE STEEL-TIMBER BEAMS UNDER FIRE CONDITIONS
526	Binsheng Zhang	Zhang	Binsheng	Timber Engineering	3.2 Fire engineering	Fire-Protected Timber Elements of Construction - Response During Fire Decay and Cooling Phase
578	Boris Ikra	Ikra	Boris	Timber Engineering	3.2 Fire engineering	NUMERICAL SIMULATION OF FIRE IN EXPOSED TIMBER COMPARTMENTS
589	Chamith Karanadasage	Karanadasage	Chamith	Timber Engineering	3.2 Fire engineering	EXPLICIT FIRE SAFETY FOR MASS TIMBER STRUCTURES - FROM THEORY TO PRACTICE
593	Laura Schmidt	Schmidt	Laura	Timber Engineering	3.2 Fire engineering	FIRE CHARACTERISTICS OF A COMPARTMENT WITH EXPOSED CLT WALLS: AN EXPERIMENTAL INVESTIGATION USING THE STANDARD ISO 834 CURVE
649	Andrianos Koklas	Koklas	Dionysios	Timber Engineering	3.2 Fire engineering	FIRE SPREAD CHARACTERISTICS IN LARGE COMPARTMENTS WITH AN EXPOSED TIMBER CEILING
664	Panagiotis Kotsosovinos	Kotsosovinos	Panagiotis	Timber Engineering	3.2 Fire engineering	ACCOUNTING FOR POST-PEAK COMPARTMENT TEMPERATURE THERMAL DEGRADATION OF MASS TIMBER
678	David Barber	Barber	David	Timber Engineering	3.2 Fire engineering	PROTECTION AND THERMAL EXPOSURE OF CLT CEILING AND FLOOR SURFACES
725	Erik Christensen	Christensen	Erik	Timber Engineering	3.2 Fire engineering	Comparative Performance of Protective Coatings for Mass Timber Structures
731	Lorna Johnson	Johnson	Lorna	Timber Engineering	3.2 Fire engineering	Fire Resistance Testing of CLT-Concrete Composite Floor Slabs Utilising Glued-In Steel Plates as Shear Connectors
763	Hans-Erik Blomgren	Blomgren	Hans-Erik	Timber Engineering	3.2 Fire engineering	Fire Resistance Testing of CLT-Concrete Composite Floor Slabs Utilising Self-Tapping Screws as Shear Connectors
776	Sam Salem	Salem	Sam	Timber Engineering	3.2 Fire engineering	IMPLICATIONS OF A DOWN-STAND BEAM ON THE CEILING FLAME EXTENSION CHARACTERISTICS IN A LARGE-SCALE CLT ENCLOSURE FIRE EXPERIMENT
777	Sam Salem	Salem	Sam	Timber Engineering	3.2 Fire engineering	PERFORMANCE OF PASSIVE PROTECTION LAYOUTS UNDER STANDARD AND NATURAL FIRE TESTS
798	Danny Hopkin	Hopkin	Danny	Timber Engineering	3.2 Fire engineering	NATURAL FIRE TESTS ON GLT COLUMNS INCLUDING THE COOLING DOWN PHASE
811	Siymane Mohahine	Mohahine	Siymane	Timber Engineering	3.2 Fire engineering	ANALYTICAL MODELLING OF POST-TENSIONED TIMBER BEAM-COLUMN CONNECTIONS IN FIRE
813	Marc Franssen	Franssen	Jean Marc	Timber Engineering	3.2 Fire engineering	Mechanical Performance of non-metallic dowels at elevated temperatures
814	Paul Home	Home	Paul	Timber Engineering	3.2 Fire engineering	FULL SCALE VIBRATION TESTS ON A LONG SPAN TIMBER FLOOR
816	Rafik Nizarali	Nizarali	Rafik	Timber Engineering	3.2 Fire engineering	Acoustic sensitivity analysis and modeling of sound insulation performance of lightweight wooden facades using ANN
18	Patricia Hamm	Hamm	Patricia	Timber Engineering	3.3 Vibrations & Acoustics	DESIGN OF LONG-SPAN LIGHTWEIGHT TIMBER FLOORS SUBJECT TO WALKING EXCITATIONS: A CASE STUDY
40	Mohamad Bader Eddin	Bader Eddin	Mohamad	Timber Engineering	3.3 Vibrations & Acoustics	Experimental Study on the Vibration Characteristics of a Prefabricated Cross-Laminated Timber-Steel Composite Floor
144	Hasan Karanmpour	Karanmpour	Hasan	Timber Engineering	3.3 Vibrations & Acoustics	EXPERIMENTAL INVESTIGATIONS ON VIBRATION PERFORMANCE OF TIMBER-CONCRETE COMPOSITE BEAMS USING LIGHTWEIGHT AGGREGATE CONCRETE
255	David Owohlabi	Owohlabi	David	Timber Engineering	3.3 Vibrations & Acoustics	DEVELOPMENT OF A STAND-ALONE VIBRATION MEASUREMENT SYSTEM FOR BRIDGE MONITORING
266	Huffeng Yang	Yang	Huffeng	Timber Engineering	3.3 Vibrations & Acoustics	ACTIVE MASS DAMPERS FOR TIMBER FLOORS
339	Dio Lins	Lins	Dio	Timber Engineering	3.3 Vibrations & Acoustics	FIELD MEASUREMENT OF VIBRATION LEVEL DIFFERENCE ACROSS VERTICAL JUNCTIONS IN A TIMBER FRAME BUILDING
362	Thomas Hillberger	Hillberger	Thomas	Timber Engineering	3.3 Vibrations & Acoustics	CHARACTERISATION OF RESILIENT INTERLAYERS
439	Simone Corta	Corta	Simone	Timber Engineering	3.3 Vibrations & Acoustics	VIBRATION SERVICEABILITY PERFORMANCE OF MASS TIMBER FLOORS UNDER VARIOUS SUPPORT CONDITIONS
442	Paola Brugnara	Brugnara	Paola	Timber Engineering	3.3 Vibrations & Acoustics	Dynamic characteristics and dynamic response of timber footbridges to dynamic human activities
449	Chenyue Guo	Guo	Chenyue	Timber Engineering	3.3 Vibrations & Acoustics	Experimental and Numerical Assessments of Long-span Mass Timber Floor Systems Subjected to Foot-fall Induced Vibration
535	Whokko Schirén	Schirén	Whokko	Timber Engineering	3.3 Vibrations & Acoustics	A COMPUTATIONAL STUDY OF DESIGN STANDARDS FOR ASSESSMENT OF LOW-FREQUENCY VIBRATION PERFORMANCE OF MASS TIMBER FLOORS UNDER HUMAN-INDUCED VIBRATION
556	Christian Slotboom	Slotboom	Christian	Timber Engineering	3.3 Vibrations & Acoustics	ASSESSING THE EFFECTS OF BOUNDARY CONDITIONS ON THE VIBRATIONAL COMFORT OF ON-SITE TIMBER-CONCRETE COMPOSITE FLOORS
560	Madek Sander	Sander	Madek	Timber Engineering	3.3 Vibrations & Acoustics	LOCAL DAMAGE ASSESSMENT STRATEGY OF A TWO-STORY CLT WALL THROUGH VIBRATION-BASED NON-DESTRUCTIVE TECHNIQUES
581	Francesca Lanata	Lanata	Francesca	Timber Engineering	3.3 Vibrations & Acoustics	PREDICTION OF THE ACOUSTIC INSULATION OF A PREFABRICATED WOODEN BASED SYSTEM FOR COLLECTIVE BUILDINGS
636	Alexander Opazo-Vega	Opazo-Vega	Alexander	Timber Engineering	3.3 Vibrations & Acoustics	IMPACT SOUND INSULATION PERFORMANCE OF RAISED DISCRETE FLOORING FLOOR ASSEMBLIES FOR MASS TIMBER SLABS
695	Marina Tendiro	Tendiro	Marina	Timber Engineering	3.3 Vibrations & Acoustics	Sound insulation and junction damping in cross laminated timber buildings
733	Jianhui Zhou	Zhou	Jianhui	Timber Engineering	3.3 Vibrations & Acoustics	Influence of Mechanical Fastener Spacing on Acoustic Performance in Timber Composite Panels
786	Eli Toffano	Toffano	Eli	Timber Engineering	3.3 Vibrations & Acoustics	PLASTIC DEFORMATION CONTRIBUTIONS OF CLT AND LIT SHEAR WALLS: DEVELOPMENT OF AN ANALYTICAL CAPACITY MODEL
827	Aedan Callaghan	Callaghan	Aedan	Timber Engineering	3.3 Vibrations & Acoustics	ASSESSING DESIGN LEVEL USING RESPONSE SPECTRUM FOR WOODEN HOUSES
4	Angelo Aloisio	Aloisio	Angelo	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	MASS TIMBER BRACED FRAMES WITH MASS TIMBER BUCKLING RESTRAINED BRACES
37	Koji Yamada	Yamada	Koji	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EFFECT OF SMALL DEFORMATION DUE TO MODERATE EARTHQUAKES ON THE SHEAR PERFORMANCE OF SHEAR RESISTING WALL
51	Hans-Erik Blomgren	Blomgren	Hans-Erik	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	Experimental Testing of High-Capacity Single and Coupled CLT Shear Wall Systems
97	Ryo Inoue	Inoue	Ryo	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EXPERIMENTAL TESTING OF MIXED ANGLE SCREW HOLD-DOWN CONNECTIONS FOR CROSS-LAMINATED TIMBER SHEAR WALLS
118	Benjamin Moerman	Moerman	Benjamin	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	DYNAMIC PERFORMANCE OF A FULL-SCALE WOOD FRAME SUBJECTED TO CYCLIC LOAD TESTING
152	Thomas Wright	Wright	Thomas	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EXPERIMENTAL PAPERING STUDY ON CLT SHEAR WALLS WITH HIGH-PERFORMANCE SELF-TAPPING SCREW CONNECTIONS
153	Felix Bouffard	Bouffard	Felix	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	HORIZONTAL - LOADING TEST OF STEEL BAR-TIMBER COMPOSITE COLUMNS FOR LOW-RISE BUILDING
177	Yuan Pei	Pei	Yuan	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EVALUATION OF VIBRATION PROPERTY OF HIGH-DAMPING TWO-STORY TIMBER STRUCTURE BASED ON RESONANCE CURVE
182	Yuuto Shimorita	Shimorita	Yuuto	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	YIELD MECHANISM OF PERFORATED PLATE CONNECTIONS FOR MASS TIMBER SYSTEMS
271	Yuji Miyazu	Miyazu	Yuji	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EXPERIMENTAL CHARACTERIZATION OF GLULAM SHEAR WALLS UNDER LATERAL CYCLIC LOADING
304	Carla Dackof	Daneswar	Hossein	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	Seismic Response of Balloon Type CLT Shear Walls
310	Giuseppe D'Arenzo	D'Arenzo	Giuseppe	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	CYCLIC LOAD TESTS AND NUMERICAL ANALYSIS OF CLT SHEAR WALLS WITH GIR JOINTS
315	Marjan Popovski	Popovski	Marjan	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	FULL-SCALE 3-D SHAKE TABLE TEST OF A TEN-STORY MASS TIMBER BUILDING
319	Shuhei Uesugi	Uesugi	Shuhei	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	CONSTRUCTIVE REHABILITATION OF THE FLOOR STRUCTURES OF AGRER'S DOWNTOWN BUILT IN THE FIRST HALF OF THE 20TH CENTURY
37	Shiling Pei	Pei	Shiling	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EXPERIMENTAL RESEARCH ON THE SEISMIC PERFORMANCE OF WALLS AND DOUBLE INSULATED CHUAN-DOU TYPE TIMBER FRAMES
384	Özmar Yunyiang Qi	Yunyiang Qi	Özmar	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EVALUATION OF SEISMIC PERFORMANCE OF WOODEN HOUSES WITH SLIDING BASE BY FULL-SCALE SHAKING TABLE TEST
41	AI Tomita	Tomita	AI	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	

423	John Judd	Judd	John	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	Cyclic tests of interlocking cross laminated timber shear walls
431	Robert Jockwer	Jockwer	Robert	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	FATIGUE RESISTANCE OF ADHESIVE BONDED CONNECTIONS WITH AND WITHOUT INTERNAL STEEL PLATES IN LARGE TIMBER STRUCTURES
443	Diego Valdivieso Cascante	Valdivieso Cascante	Diego	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	TESTING OF STRONG MULTI-LAYERED WOOD FRAME SHEAR WALLS WITH NON-STRUCTURAL LAYERS
444	Diego Valdivieso Cascante	Valdivieso Cascante	Diego	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	TESTING THE INFLUENCE OF CLT STRUCTURES WITH TUBULAR ELEMENTS AND UNRESOLVED TENSION-SHEAR INTERACTION
460	Giuseppe Cenci	Rinaldi	Vincenzo	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	WORKED EXAMPLE OF SEISMIC DESIGN OF A CLT MULTI-STORY BUILDING IN DIFFERENT DUCTILITY CLASSES
476	Asif Iqbal	Iqbal	Asif	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	DATA-DRIVEN APPROACH FOR ASSESSMENT OF SEISMIC DAMAGE IN WOOD BUILDINGS
484	Yuta Sakai	Sakai	Yuta	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EFFECT OF SMALL OPENINGS ON SHEAR CAPACITY OF PLYWOOD SHEATHED SHEAR WALLS
563	Gustavo Araujo Stobboom	Araujo Stobboom	Gustavo Christian	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	CYCLIC TESTING AND NUMERICAL MODELLING OF A THREE-STORY MASS-TIMBER BUILDING WITH A PIVOTING MASS PLY PANEL SINE AND BUCKLING-RESTRAINED ENERGY DISSIPATORS
584	Christian Stobboom	Stobboom	Christian	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	HYPERBOLIC NONLINEAR ANALYSIS FOR ANALYZING EXPERIMENTAL DATA
602	Giuseppe Iovane	Fagliano	Beatrice	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	MONOTONIC TESTS ON BEAM-TO-COLUMN JOINT WITH STEEL LINK FOR TIMBER SEISMIC RESISTANT STRUCTURES
604	Angelo Aloisio Iqbal	Iqbal	Asif	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	MODELLING SEISMIC ISOLATION BEARING FOR WOOD BUILDINGS
680	Erica Fischer	Fischer	Erica	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	EXPERIMENTAL MONOTONIC AND CYCLIC TESTING ON GLULAM BEAM-TO-COLUMN CONNECTIONS
693	Luca Marchi	Marchi	Luca	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	SEISMIC CONNECTIONS FOR CLT STRUCTURES WITH TUBULAR ELEMENTS AND UNRESOLVED TENSION-SHEAR INTERACTION
708	Vincenzo Rinaldi	Gavrić	Igor	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	VARIABILITY OF CROSS-LAMINATED TIMBER (CLT) SINGLE PANEL SHEAR-WALLS' RESPONSE UNDER IN-PLANE LATERAL LOADS
726	Jacob Gesh	Gesh	Jacob	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	POST-TENSIONING LOSSES IN MASS TIMBER WALL PANELS
730	Zabih Mehdipour	Branco	Jorge	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	OPTIMIZED CLT-RC FRAME CONNECTION FOR SEISMIC RETROFITTING
758	Naoyuki Matsumoto	Matsumoto	Naoyuki	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	SHEAR PERFORMANCE ESTIMATION OF WOODEN LATHS AND PLASTER WALLS THROUGH THE EXPERIMENT AND ANALYSIS
770	Enara Jundo	Milago-Chuquitaype	Christian	Timber Engineering	3.4 Cyclic loading, earthquakes & fatigue	Seismic response estimation for cross-examined timber walls using machine learning
11	Ghasan Doudak	Viau	Christian	Timber Engineering	3.5 Structural modelling, analysis & design	ADAPTIVE COMPOSITE RUBBER BEARINGS FOR TIMBER STRUCTURE: A CASE STUDY FOR EARTHQUAKE-PRONE REGIONS
19	Alex Sixte Cao	Cao	Alex Sixte	Timber Engineering	3.5 Structural modelling, analysis & design	Lessons Learned from a Decade of Research on Wood Assemblies Under Blast Loading
25	Toko Hinata	Kameta	Toko	Timber Engineering	3.5 Structural modelling, analysis & design	A nonlinear dynamic model for collapse investigations in tall timber buildings - Preliminary results
53	Daiji Hinata	Hinata	Daiji	Timber Engineering	3.5 Structural modelling, analysis & design	Research and Development of Small-Scale Timber "Construction system 'Bl-tree structure'" with Small-Diameter Timber
59	Zhiyong Chen	Chen	Zhiyong	Timber Engineering	3.5 Structural modelling, analysis & design	STRUCTURAL PERFORMANCE OF TWO-PANEL CLT SHEAR WALL WITH BOLTED CONNECTION
74	Christian Vau	Christian	Christian	Timber Engineering	3.5 Structural modelling, analysis & design	Modelling of timber structures
99	Thomas Tarniet	Zhang	Xiaoyue	Timber Engineering	3.5 Structural modelling, analysis & design	Predictive Capabilities of Finite Element Modelling for Timber Members Subjected to Blast Loads
100	Tomoki Sato	Sato	Tomoki	Timber Engineering	3.5 Structural modelling, analysis & design	EXPERIMENTAL INVESTIGATIONS ON CLT PANELS WITH OPENINGS
107	Francesco Mirko Massaro	Massaro	Francesco Mirko	Timber Engineering	3.5 Structural modelling, analysis & design	Seismic Performance Evaluation of Reinforced Concrete Timber Based on Long Term Earthquake Observations
108	Ebenezer Usher	Usher	Ebenezer	Timber Engineering	3.5 Structural modelling, analysis & design	Glued-laminated timber beams with large round holes: an experimental and numerical investigation
135	Lukas Rauber	Rauber	Lukas	Timber Engineering	3.5 Structural modelling, analysis & design	ASSESSMENT OF THE FUNDAMENTAL PERIOD OF MULTI-STORY CROSS LAMINATED TIMBER BUILDINGS
139	Franco Benedetti	Benedetti	Franco	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL MODELLING OF LIGHT TIMBER FRAME WALLS - COMPARATIVE STUDY OF THREE FASTENER REPRESENTATIONS
142	Daisuke Okawa	Okawa	Daisuke	Timber Engineering	3.5 Structural modelling, analysis & design	INCREMENTAL DYNAMIC ANALYSIS OF A FIVE STOREY CLT BUILDING DESIGNED THROUGH FORCE-BASED METHODS
162	Medhanye Biederhan Tekleab	Tekleab	Medhanye Biederhan	Timber Engineering	3.5 Structural modelling, analysis & design	ESTIMATION METHOD OF DEGRADATION STATE FOR TIMBER BRIDGES USING VIBRATION ANALYSIS
174	Dalu Xing	Xing	Dalu	Timber Engineering	3.5 Structural modelling, analysis & design	AN ENGINEERING MODEL FOR THE DESIGN OF CLT-BACKS IN RIBBED PANELS
176	Yuxin Pan	Pan	Yuxin	Timber Engineering	3.5 Structural modelling, analysis & design	LATERAL DEFORMATION AND KINEMATIC MODES OF BALLOON-TYPE MULTI-PANEL CLT SHEARWALL SYSTEM
181	Koji Kubo	Kubo	Koji	Timber Engineering	3.5 Structural modelling, analysis & design	SEISMIC ASSESSMENT OF BALLOON-FRAMED CLT BUILDING WITH SELF-CENTERING HOLD-DOWN
185	Henrik Danielsson	Danielsson	Henrik	Timber Engineering	3.5 Structural modelling, analysis & design	STUDY OF THE EFFECT OF SEISMIC REINFORCEMENT USING CRTP STRAINS ON WOODEN BUILDINGS
213	Shogo Aoki	Aoki	Shogo	Timber Engineering	3.5 Structural modelling, analysis & design	Shear failure mechanism in cross laminated timber - Numerical investigations of fracture behaviour
216	Miriam Kleinhenz	Kleinhenz	Miriam	Timber Engineering	3.5 Structural modelling, analysis & design	ANALYTICAL STUDY ON P-Δ EFFECT OF MEDIUM-RISE WOODEN BUILDINGS
217	Jan Pelczyński	Pelczyński	Jan	Timber Engineering	3.5 Structural modelling, analysis & design	DETERMINATION OF THE EFFECTIVE WIDTH OF CROSS-LAMINATED TIMBER RIB PANELS USING DIGITAL IMAGE CORRELATION
246	Boris Almqvist	Almqvist	Boris	Timber Engineering	3.5 Structural modelling, analysis & design	MODELLING OF OSB SANDWICH PANELS WITH ORIGAMI-Inspired CORE
249	Alan Malagie	Malagie	Alan	Timber Engineering	3.5 Structural modelling, analysis & design	INNOVATION IN SEISMIC DESIGN: INCREASED USE OF CROSS LAMINATED TIMBER (CLT)
257	Giuseppe D'Arenzo	Ruggieri	Elisabetta Maria	Timber Engineering	3.5 Structural modelling, analysis & design	LOAD-BEARING CAPACITY AND METHODOLOGY FOR PREDICTING THE FORCE IN REINFORCEMENT OF THE REINFORCED NOTCHED CROSS-LAMINATED TIMBER PLATES
265	Mahboobeh Fakhrzare	Fakhrzare	Mahboobeh	Timber Engineering	3.5 Structural modelling, analysis & design	ANALYSIS OF DIFFERENT NUMERICAL MODELLING STRATEGIES OF CLT MULTI-STORY SHEAR WALLS
269	Krunoslav Pakovčić	Pakovčić	Krunoslav	Timber Engineering	3.5 Structural modelling, analysis & design	ANALYTICAL MODEL FOR PREDICTING IN-PLANE DISPLACEMENT OF CROSS-LAMINATED TIMBER DIAPHRAGMS
291	Alexandro Mavezi	Mavezi	Alexandro	Timber Engineering	3.5 Structural modelling, analysis & design	EMBEDMENT STRENGTH AND STIFFNESS FOR LARGE DIAMETER MECHANICAL FASTENER
305	Zhongshen Chen	Danešnar	Hossein	Timber Engineering	3.5 Structural modelling, analysis & design	EVALUATION OF THE BEHAVIOUR FACTOR BY INCREMENTAL DYNAMIC ANALYSIS FOR THE SEISMIC DESIGN OF LIGHT-FRAME TIMBER BUILDINGS
308	Giuseppe D'Arenzo	D'Arenzo	Giuseppe	Timber Engineering	3.5 Structural modelling, analysis & design	MODULE FOR ANALYSIS AND CAPACITY-BASED DESIGN OF BRACED TIMBER FRAMES
346	Daniele Casagrande	Casagrande	Daniele	Timber Engineering	3.5 Structural modelling, analysis & design	INVESTIGATING THE EFFECTS OF THE INTERACTIONS BETWEEN FLOOR DIAPHRAGMS AND SEGMENTED CROSS-LAMINATED TIMBER SHEAR WALLS
357	Tokikatsu Namba	Namba	Tokikatsu	Timber Engineering	3.5 Structural modelling, analysis & design	EXPERIMENTAL CHARACTERIZATION OF STIFF ALUMINUM CONNECTORS FOR MULTI-PANEL CLT SHEAR-WALLS
364	Dustin Mundten	Mundten	Dustin	Timber Engineering	3.5 Structural modelling, analysis & design	Reproductive analysis of full-scale shaking table tests of wooden houses using quality engineering
377	Lin Zheng	Zheng	Lin	Timber Engineering	3.5 Structural modelling, analysis & design	TIMBER-BASED CONNECTIONS FOR EXISTING MASSONIC STRUCTURES IN NORTH EUROPE
391	Luca Pozza	Pozza	Luca	Timber Engineering	3.5 Structural modelling, analysis & design	EVALUATION OF THE STRUCTURAL PERFORMANCE OF SHEAR WALLS BUILT BY MULTI-LAYER COMPOSITE LAMINATED PANELS
393	Manuel Sánchez-Solis	Sánchez-Solis	Manuel	Timber Engineering	3.5 Structural modelling, analysis & design	MODEL IDENTIFICATION AND MODEL UPDATING OF AN INNOVATIVE AUTOMATIC SELF-SUPPORTING TIMBER WAREHOUSE: THE CASE STUDY OF ROTHBLAS HEADQUARTERS EXPANSION
423	Henna Wimmer	Wimmer	Henna	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL AND EXPERIMENTAL INVESTIGATIONS ON THE STRESS STATE OF CLT-PLATES NEAR CONCENTRATED LOADS
440	Nashito Kawai	Kawai	Nashito	Timber Engineering	3.5 Structural modelling, analysis & design	ANALYTICAL STUDY ON SEISMIC BEHAVIOR OF NEWLY BUILT FIVE STORY PAGODA IN TENDO-CITY JAPAN
448	Soheil Assadi	Assadi	Soheil	Timber Engineering	3.5 Structural modelling, analysis & design	INNOVATIVE HIGH PERFORMANCE SEISMIC RESILIENT TIMBER WALL STRUCTURES WITH LOW DAMAGE FLOOR CONNECTIONS
466	Tu Ho	Ho	Tu	Timber Engineering	3.5 Structural modelling, analysis & design	SEISMIC PERFORMANCE FACTORS FOR POST-TENSIONED MASS PLY PANEL ROCKING WALLS
480	Roger Konnestad	Konnestad	Camilla By	Timber Engineering	3.5 Structural modelling, analysis & design	THE USE OF PARAMETRIC WORKFLOW ON TIMBER CONSTRUCTION AT SERVICE STATION TORGHATTEN
481	Camilla By Kampenes	Kampenes	Camilla By	Timber Engineering	3.5 Structural modelling, analysis & design	TIMBER PANELS CONSTRUCTED IN COMBINATION BY PARAMETRIC DESIGN AND THE ZOLLINGER CONNECTION SYSTEM
489	So Momose	Momose	So	Timber Engineering	3.5 Structural modelling, analysis & design	DEVELOPMENT OF THE ANALYTICAL METHOD TO REPRODUCE SEISMIC BEHAVIOR OF CLT BUILDINGS AT LARGE DEFORMATION
491	Conan O'Ceallaigh	O'Ceallaigh	Conan	Timber Engineering	3.5 Structural modelling, analysis & design	RACKING RESISTANCE OF CLT PANELS MANUFACTURED FROM C16 GRADE TIMBER
511	Dominik Bisig	Bisig	Dominik	Timber Engineering	3.5 Structural modelling, analysis & design	Numerical Analysis of Biaxial Hollow Timber Slab Elements
514	Marc Oudjene	Paroisien	Jeanne	Timber Engineering	3.5 Structural modelling, analysis & design	Efficient finite element models for adhesive-free multi-layered timber structures
516	Yuki Ota	Ota	Yuki	Timber Engineering	3.5 Structural modelling, analysis & design	STUDY ON THE STRUCTURAL PERFORMANCE OF PLYWOOD BEARING WALL WITH THE RUSTED NAIL AND DECAYED WOOD
521	Daniel Dolan	Qureshi	Ishad	Timber Engineering	3.5 Structural modelling, analysis & design	Development of a numerical model to consider the foundation flexibility effects in CLT rocking walls
522	Aleesha Busch	Busch	Aleesha	Timber Engineering	3.5 Structural modelling, analysis & design	PRESCRIPTIVE SEISMIC DESIGN PROCEDURE FOR POST-TENSIONED MASS TIMBER ROCKING WALLS IN THE UNITED STATES
525	Labowitzte Mananthum Milind B Jayasekara	Jayasekara	Labowitzte Mananthum Milind B	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL MODELLING OF MASS TIMBER BEAM-COLUMN CONNECTIONS
528	Gustavo Acuña Algeria	Acuña Algeria	Gustavo	Timber Engineering	3.5 Structural modelling, analysis & design	Effect of the Aspect Ratio on the Seismic Performance of Post-Tensioned Cross Laminated Timber Rocking Wall Systems
537	Juan Sebastian Zambrano Jaramillo	Zambrano Jaramillo	Juan Sebastian	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL MODELLING OF HIGH-RISE MASS TIMBER MODULAR BEARING WALLS UNDER SEISMIC AND WIND HAZARD
559	Christian Stobboom	Stobboom	Christian	Timber Engineering	3.5 Structural modelling, analysis & design	A Comparison of Design Methods for Point Supported CLT Panels
560	Matias Chacón	Chacón	Matias	Timber Engineering	3.5 Structural modelling, analysis & design	A new multi-spring element to simulate CLT connections under combined loadings
585	Gustavo Orozco	Orozco	Gustavo	Timber Engineering	3.5 Structural modelling, analysis & design	SEISMIC AND ENERGY RETROFIT OF LIGHT-FRAME TIMBER MULTIFAMILY RESIDENTIAL BUILDINGS USING MASS PLY PANEL (MPP) SHEAR WALL FACADE SYSTEM
608	Martin Schenk	Schenk	Martin	Timber Engineering	3.5 Structural modelling, analysis & design	CROSS LAMINATED TIMBER FLOORS WITH OPENINGS - SERVICEABILITY VERIFICATIONS
610	Nadja Manser	Manser	Nadja	Timber Engineering	3.5 Structural modelling, analysis & design	TIMBER-FRAMED SHEAR WALLS WITH LARGE OPENINGS AS PART OF THE LATERAL FORCE-RESISTING SYSTEM - OPTIMIZATION OF THE SHEATHING TO FRAMING CONNECTION LAYOUT
620	Dag Pasca	Pasca	Dag	Timber Engineering	3.5 Structural modelling, analysis & design	EXPERIMENTAL AND NUMERICAL INVESTIGATION ON THE EFFECT OF CIRCULAR HOLES ON GLULAM COMPOSITE BEAMS
624	Rajin Maharjan	Maharjan	Rajin	Timber Engineering	3.5 Structural modelling, analysis & design	EVALUATION OF HARDENING MODELS TO SIMULATE JOINTS IN TIMBER SHEAR WALLS
652	Alberto Aravena	Valdivieso Cascante	Diego	Timber Engineering	3.5 Structural modelling, analysis & design	COLLAPSE FRAGILITY OF A 5-STORY CLT STRUCTURE UNDER CHILDREN SUBTRACTION EARTHQUAKE RECORDS
663	Azadeh Goodarzi	Malek	Sarfar	Timber Engineering	3.5 Structural modelling, analysis & design	Finite element analysis of timber beams with transverse and longitudinal notches
665	Tomoki Furuta	Nakao	Masato	Timber Engineering	3.5 Structural modelling, analysis & design	A STUDY ON THE SEISMIC PERFORMANCE OF SHEAR WALLS UNDER A DYNAMIC LOAD
669	Masato Nakao	Nakao	Masato	Timber Engineering	3.5 Structural modelling, analysis & design	STRUCTURAL PERFORMANCE EVALUATION OF A TIMBER HOUSE USING NEW CONSTRUCTION SYSTEM WITH CLT HORIZONTAL DIAPHRAGM
671	Jiwei Liu	Yang	Huifeng	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL ANALYSIS ON SEISMIC BEHAVIOUR OF TIMBER FRAME STRUCTURE WITH HYBRID SCREWED-IN ROD CONNECTIONS
675	Rutje Oberg	Oberg	Rutje	Timber Engineering	3.5 Structural modelling, analysis & design	NUMERICAL MODELLING ANALYSIS OF HIGH-CAPACITY SHEAR WALLS WITH MULTIPLE ROWS OF NAILS
685	Martina Scionment	Scionment	Martina	Timber Engineering	3.5 Structural modelling, analysis & design	BUCKLING ANALYSIS OF CROSS LAMINATED TIMBER PANELS
705	Francisco Flores	Flores	Francisco	Timber Engineering	3.5 Structural modelling, analysis & design	Effects of Constant and ELF strength profiles on the performance of Wood Frame Shear Wall Structures
720	Damian Oliveira	Oliveira	Damian	Timber Engineering	3.5 Structural modelling, analysis & design	An Analytical Model to Investigate the Effect of Diaphragms on the Elastic Behaviour of Multi-Storey Multi-Panel CLT Shearwalls
739	Jose Manuel Cabrero	Gonzalez-Serna	Pablo	Timber Engineering	3.5 Structural modelling, analysis & design	Experimental analysis of the influence of openings in cross-laminated timber panels loaded out of plane
764	Andrea Polzer	Polzer	Andrea	Timber Engineering	3.5 Structural modelling, analysis & design	PHENOMENOLOGICAL MODEL FOR SEISMIC DESIGN OF MULTI-STORY CLT BUILDINGS: CALIBRATION OF INPUT PARAMETERS
791	Chunhao Lyu	Lyu	Chunhao	Timber Engineering	3.5 Structural modelling, analysis & design	AN ACCURATE FINITE ELEMENT MODEL TO STUDY THE PROGRESSIVE COLLAPSE OF POST-AND-BEAM MASS TIMBER BUILDINGS
820	Paul Quistin	Moutou Pitti	Samuel	Timber Engineering	3.5 Structural modelling, analysis & design	Timber structures in subtropical climate on design: BOIS DURABLEM programs for Guadeloupe, Martinique and Guyane
828	Martina Scionment	Scionment	Martina	Timber Engineering	3.5 Structural modelling, analysis & design	FRACTURE ANALYSIS OF CROSS LAMINATED TIMBER SHEARWALLS WITH OPENINGS
26	Marie Johanson	Johanson	Marie	Timber Engineering	3.6 Tall timber buildings	DYNAMIC RESPONSE OF TALL TIMBER BUILDINGS UNDER SERVICE LOAD - RESULTS FROM THE DYNATTB RESEARCH PROGRAM
35	Andrea Frani	Youtzidis	Konstantinos	Timber Engineering	3.6 Tall timber buildings	Quantifying the impact of wind on tall timber buildings: A case study
48	Andreas Linderhof	Linderhof	Andreas	Timber Engineering	3.6 Tall timber buildings	FORCED RESPONSE MEASUREMENTS ON A SEVEN STOREY TIMBER BUILDING IN SWEDEN
218	Samuel Currier Auclair	Currier Auclair	Samuel	Timber Engineering	3.6 Tall timber buildings	Long-Term Monitoring of Tall Mass Timber Buildings - Evaluation of Dynamics Properties
240	Ricky McLean	McLean	Ricky	Timber Engineering	3.6 Tall timber buildings	DIFFERENTIAL MATERIAL MOVEMENT IN TALL MASS TIMBER STRUCTURES
251	Osama Abdelrahman Hegazi	Hegazi	Osama Abdelrahman	Timber Engineering	3.6 Tall timber buildings	SERVICEABILITY PERFORMANCE OF TRIBULAR FRAME WALL STRUCTURAL SYSTEM UNDER WIND LOADING
318	Saula Tulebekova	Tulebekova	Saula	Timber Engineering	3.6 Tall timber buildings	DYNAMIC IDENTIFICATION OF A TALL TIMBER BUILDING UNDER SERVICEABILITY LOADING
358	Samira Mohammadyzadeh	Mohammadyzadeh	Samira	Timber Engineering	3.6 Tall timber buildings	SYSTEM IDENTIFICATION OF TALL MASS TIMBER STRUCTURES EMPLOYING AMBIENT VIBRATION TEST AND FE MODELLING
367	Charles Binck	Binck	Charles	Timber Engineering	3.6 Tall timber buildings	INVESTIGATIONS ON SUITABLE LATERAL STIFFENING SYSTEMS FOR TALL TIMBER BUILDINGS
408	Ryota Minami	Minami	Ryota	Timber Engineering	3.6 Tall timber buildings	Performance Verification and Trial Design for High-rise Timber Frame Buildings with Buckling-Restrained Braces Part2 Analysis of Trial Design Building
451	Blal Kurent	Kurent	Blal	Timber Engineering	3.6 Tall timber buildings	ON FINITE ELEMENT MODELLING AND DESIGN OF MULTI-STORY TIMBER BUILDINGS
487	Carmen Amadeo	Amadeo	Carmen	Timber Engineering	3.6 Tall timber buildings	Ambient vibration tests and modal analysis of a six-storey light-weight timber-frame building

799	Takahiro Tsuchimoto	Tsuchimoto	Takahiro	Timber Engineering	3.6 Tall timber buildings	R&D PROJECT FOR TECHNOLOGIES ABOUT MID- AND HIGH-RISE TIMBER CONSTRUCTION IN JAPAN
14	Marc Alam	Alam	Marc	Timber Engineering	3.7 International Codes & Timber engineering	TALL WOOD BUILDINGS WITHIN THE 2020 NATIONAL BUILDING CODE OF CANADA
109	Ebenezer Usher	Usher	Ebenezer	Timber Engineering	3.7 International Codes & Timber engineering	BEARING SUPPORTS REINFORCED WITH SCREWS: EXPERIMENTAL INVESTIGATION AND DISCUSSION OF THE DESIGN MODELS IN EUROCODE 5
205	Maria Loeblinski	Loebjinski	Maria	Timber Engineering	3.7 International Codes & Timber engineering	Modification of Eurocode 5 to a semi-empirical evaluation of Existing Timber Structures
282	Koch	Lori	Koch	Timber Engineering	3.7 International Codes & Timber engineering	REVIEW OF THE CODE DEVELOPMENT EFFORTS FOR TALL MASS TIMBER BUILDINGS IN THE US
381	Antje Simon	Simon	Antje	Timber Engineering	3.7 International Codes & Timber engineering	IMPROVEMENT OF THE DURABILITY OF TIMBER BRIDGES BY INTELLIGENT DESIGN AND RESPONSIBLE MAINTENANCE
465	Carlo Call Junior	Call	Leandro Dussarrat	Timber Engineering	3.7 International Codes & Timber engineering	WOOD DURABILITY BASED IN THE NEW BRAZILIAN TIMBER STRUCTURES CODE ABNT NBR 7190: 2022
493	Pedro Palma	Palma	Pedro	Timber Engineering	3.7 International Codes & Timber engineering	Updating Eurocode 5 – Design guidance for increasing the robustness of Timber structures
494	Carlo Call Junior	Call	Carlo	Timber Engineering	3.7 International Codes & Timber engineering	THE NEW BRAZILIAN TIMBER STRUCTURES CODE NBR7190:22
540	Omar Amiri	Amiri	Mohammad Omar	Timber Engineering	3.7 International Codes & Timber engineering	EVALUATION OF CLT SHEAR WALLS FOR INCREASED STRUCTURAL HEIGHT LIMIT AND FOR EFFECT OF VARYING PANEL ASPECT RATIO
566	Renan Prandini	Prandini	Renan	Timber Engineering	3.7 International Codes & Timber engineering	BEAVER: A PARAMETRIC DESIGN FRAMEWORK FOR TIMBER ENGINEERING
603	Beatrice Faggiano	Faggiano	Beatrice	Timber Engineering	3.7 International Codes & Timber engineering	A PROPOSAL FOR THE MECHANICAL CLASSIFICATION OF BEAM-TO-COLUMN JOINTS FOR TIMBER STRUCTURES
618	Mathias Genesl	Genesl	Hauke	Timber Engineering	3.7 International Codes & Timber engineering	Second generation of Eurocode 5 to Timber Bridges: An overview
723	Felipe Kimito	Martiani	Fabiana	Timber Engineering	3.7 International Codes & Timber engineering	STRUCTURAL CHARACTERIZATION OF NATIVE SPECIES ACCORDING TO THE NEW BRAZILIAN STANDARD ABNT NBR 7190: 2022 – PART 4
5	Angelo Aloisio	Aloisio	Angelo	Timber Engineering	3.8 Mixed, composite & hybrid structures	DESIGN OF ASYMMETRIC FRICTION CONNECTION FOR SEISMIC RETROFITTING OF RC FRAMES WITH CROSS-LAMINATED TIMBER PANELS
36	Eiff Appavuravther Sumichrast	Appavuravther	Eiff	Timber Engineering	3.8 Mixed, composite & hybrid structures	SHEAR TESTS ON PERFORATED CONNECTIONS IN TIMBER CONCRETE COMPOSITES
41	Laiti Gharabeh	Gharabeh	Laiti	Timber Engineering	3.8 Mixed, composite & hybrid structures	STRUCTURAL PERFORMANCE OF REINFORCED GLULAM BEAMS
54	Salla-Alari West	West	Salla-Alari	Timber Engineering	3.8 Mixed, composite & hybrid structures	DETABEAM™ WITH TIMBER FLOOR JOINTS – LOAD BEARING CAPACITY AT AMBIENT TEMPERATURE AND IN FIRE SITUATION
69	Eiff Appavuravther Sumichrast	Appavuravther	Eiff	Timber Engineering	3.8 Mixed, composite & hybrid structures	BENDING TESTS ON TIMBER CONCRETE COMPOSITES WITH PERFORATED CONNECTIONS
141	Craig Cowled	Cowled	Craig	Timber Engineering	3.8 Mixed, composite & hybrid structures	LONGITUDINAL SHEAR BEHAVIOUR OF LAYERED TIMBER-STEEL CONNECTION SYSTEMS USING LOW-GRADE TIMBER AND MECHANICAL CONNECTORS
158	Samuel Cuerrier Auclair	Cuerrier Auclair	Samuel	Timber Engineering	3.8 Mixed, composite & hybrid structures	TECHNICAL DESIGN GUIDE FOR TIMBER-CONCRETE COMPOSITE FLOORS – A CANADIAN APPROACH
160	Gotre B Djell Biervenu Boli	Boli	Gotre B Djell Biervenu	Timber Engineering	3.8 Mixed, composite & hybrid structures	Finite element modelling of hybrid structures with confined wood
173	Ketsuke Hayata	Hayata	Ketsuke	Timber Engineering	3.8 Mixed, composite & hybrid structures	EXPERIMENT ON AXIAL CAPACITY-BENDING CAPACITY RELATIONSHIP OF STEEL BAR-TIMBER COMPOSITE COLUMN
175	Feyang Xu	Xu	Ying	Timber Engineering	3.8 Mixed, composite & hybrid structures	COMPRESSIVE PERFORMANCE OF STEEL-TIMBER COMPOSITE COLUMNS: EXPERIMENTAL TESTS AND NUMERICAL ANALYSIS
178	Tsukasa Ueno	Ueno	Tsukasa	Timber Engineering	3.8 Mixed, composite & hybrid structures	EFFECTS OF ELEVATED TEMPERATURE ON BENDING CAPACITY OF STEEL-BAR-TIMBER COMPOSITE BEAM
189	Viktoría Bajzecerová	Kanócz	Jan	Timber Engineering	3.8 Mixed, composite & hybrid structures	THE ADHESIVE SHEAR CONNECTION OF TIMBER AND CONCRETE SLABS IN HUMID ENVIRONMENT
213	Francesca Boggan	Boggan	Francesca	Timber Engineering	3.8 Mixed, composite & hybrid structures	CYCLE TESTS ON THE TENSION-INDUCED FAILURE OF PRESSURE-TREATED MASSIVE WOOD FOR SEISMIC RETROFIT WITH CLT PANELS
222	Lei Zhang	Zhang	Lei	Timber Engineering	3.8 Mixed, composite & hybrid structures	Nail-Laminated Timber-Concrete Composite Beams with Notched Connections and Steel Fibre Reinforcement
229	Daniel Chapman	Chapman	Daniel	Timber Engineering	3.8 Mixed, composite & hybrid structures	Timber Concrete Composite Floor Slabs
233	Matthias Fuchlin, Philippe Grönquist	Grönquist	Philippe	Timber Engineering	3.8 Mixed, composite & hybrid structures	PUSH-OUT TESTS OF WET-PROCESSED ADHESIVE-BONDED BEECH-TIMBER-CONCRETE AND TIMBER-POLYMER-CONCRETE COMPOSITE CONNECTIONS
235	Cristiano Loos	Loos	Cristiano	Timber Engineering	3.8 Mixed, composite & hybrid structures	SEISMIC FRAGILITY OF A NEW MASS TIMBER-STEEL HYBRID BUILDING SYSTEM EQUIPPED WITH CLT FLOOR DIAPHRAGMS
254	Simon Auran	Auran	Simon	Timber Engineering	3.8 Mixed, composite & hybrid structures	STRUCTURAL BEHAVIOUR OF TIMBER-FLOOR JOINTS WITH EITHER DOWEL-TYPE FASTENERS OR CONTINUOUS JOINTS
268	Simon Aicher	Aicher	Kai	Timber Engineering	3.8 Mixed, composite & hybrid structures	Semi-integral full-scale Stuttgart timber model bridge
272	Joan W. Gikonyo	Gikonyo	Joan W.	Timber Engineering	3.8 Mixed, composite & hybrid structures	NUMERICAL MODELLING OF A CROSS-LAMINATED TIMBER-TO-CONCRETE DOWEL-TYPE CONNECTION USING THE BEAM-ON-FOUNDATION MODEL
316	Robert Jackson	Jackson	Robert	Timber Engineering	3.8 Mixed, composite & hybrid structures	Limberloft Phase 4: 10-Storey Slab Banded Structure
327	Kouji Fukumoto	Fukumoto	Kouji	Timber Engineering	3.8 Mixed, composite & hybrid structures	STRUCTURAL DESIGN OF HYBRID STRUCTURE WITH CLT SEISMIC PANELS AND STEEL FRAME
337	Shohei Oda	Oda	Shohei	Timber Engineering	3.8 Mixed, composite & hybrid structures	TECHNICAL CONCEPT AND FABRICATION OF A STEEL SHEET REINFORCED SYNTHETIC WOOD BEAM
347	Dolores Otero-chans	Otero-chans	Dolores	Timber Engineering	3.8 Mixed, composite & hybrid structures	Timber-concrete-composite beams with discrete perforated steel plate shear connectors
365	Javier Estévez-cimadevila	Estévez-cimadevila	Javier	Timber Engineering	3.8 Mixed, composite & hybrid structures	A NEW BUILDING STRUCTURAL SYSTEM USING TIMBER-CONCRETE-COMPOSITE MEMBERS
368	Hamood Alwashi	Alwashi	Hamood	Timber Engineering	3.8 Mixed, composite & hybrid structures	Study on failure mechanisms of hybrid structure of reinforced concrete frame with CLT infill
375	Savash Mahjournan Namari	Mahjournan Namari	Savash	Timber Engineering	3.8 Mixed, composite & hybrid structures	EXPERIMENTAL FULL-SCALE NUMERICAL STUDY OF NAILDED WOOD TECHNOLOGY WITH FIBRE-PLASTIC COMPOSITE NODE ELEMENTS
379	Fei Chen	Chen	Fei	Timber Engineering	3.8 Mixed, composite & hybrid structures	A PRELIMINARY STUDY ON THE TENSION-JOINT BRACED SELF-CENTERING STEEL-TIMBER HYBRID FRAME
389	Daiiki Iwamoto	Iwamoto	Daiiki	Timber Engineering	3.8 Mixed, composite & hybrid structures	AN EXPERIMENTAL STUDY ON THE SAFETY PERFORMANCE OF A WOOD MASONRY STRUCTURE
404	Ashiko Miyake	Miyake	Ashiko	Timber Engineering	3.8 Mixed, composite & hybrid structures	DEVELOPMENT OF A HYBRID RIGID FLAME STRUCTURE METHOD WITH TIMBER SEMI-RIGID BEAM
498	Piseth Heng	Heng	Piseth	Timber Engineering	3.8 Mixed, composite & hybrid structures	An experimental and numerical investigation on a dovetail notched connection for Cross-Laminated-Timber-Concrete composite slabs
517	Piseth Heng	Heng	Piseth	Timber Engineering	3.8 Mixed, composite & hybrid structures	A 3D DUCTILE NOTCHED CONNECTION FOR TIMBER-CONCRETE COMPOSITE BEAM - EXPERIMENTAL INVESTIGATION
543	Ralfis Laciis	Laciis	Ralfis	Timber Engineering	3.8 Mixed, composite & hybrid structures	HIGH CAPACITY SHEAR CONNECTORS AND APPLICATION FOR TIMBER-CONCRETE BRIDGES
567	Hiroshi Isoeda	Isoeda	Hiroshi	Timber Engineering	3.8 Mixed, composite & hybrid structures	SEISMIC PERFORMANCE OF CLT SHEAR WALL INFILLED HYBRID STEEL MOMENT FRAME WITH CONCEALED STEEL PLATE AND DRIFT PINS CONNECTIONS
628	Alireza Fadaei	Fadaei	Alireza	Timber Engineering	3.8 Mixed, composite & hybrid structures	DEVELOPMENT OF LVL-CONCRETE COMPOSITE FLOOR SYSTEMS
642	Alfredo Dias	Dias	Carlos	Timber Engineering	3.8 Mixed, composite & hybrid structures	Mechanical Behaviour of Notch Connection for Maritime Pine CLT-Concrete Composite
660	Andrea Polastri	Polastri	Andrea	Timber Engineering	3.8 Mixed, composite & hybrid structures	PREFABRICATED FOUNDATION SYSTEM FOR TIMBER BUILDINGS
661	Andrea Polastri	Polastri	Andrea	Timber Engineering	3.8 Mixed, composite & hybrid structures	EXPERIMENTAL CHARACTERIZATION OF TIMBER-MORTAR CONCRETE CONNECTION SYSTEM
677	Fabiana Moritani	Moritani	Fabiana	Timber Engineering	3.8 Mixed, composite & hybrid structures	ANALYTICAL AND NUMERICAL STUDY ON REVERSIBLE STEEL-TIMBER COMPOSITE CONNECTION SYSTEMS
681	David Roueche	Roueche	David	Timber Engineering	3.8 Mixed, composite & hybrid structures	ON THE USAGE OF CLT PANELS TO FORM TIMBER-STEEL COMPOSITE FLOOR SYSTEMS
760	Ahmed Mowafy	Mowafy	Ahmed	Timber Engineering	3.8 Mixed, composite & hybrid structures	AN INNOVATIVE SEMI-RIGID BEAM-TO-COLUMN CONNECTION WITH A SEISMIC DISSIPATION CAPABILITY UNDER CYCLIC LOAD
793	Sam Saleem	Saleem	Sam	Timber Engineering	3.8 Mixed, composite & hybrid structures	Experimental Testing of Small-Scale Timber-Concrete Composite Beams Utilizing Adhesive Shear Connectors
60	Yua Kousuge	Kousuge	Yua	Timber Engineering	3.9 Wood-based building systems	EFFECT OF DIFFERENT TESTING METHODS ON THE STRUCTURAL PERFORMANCE OF WOODEN SHEAR WALLS
84	Yue Diao	Diao	Yue	Timber Engineering	3.9 Wood-based building systems	FEASIBILITY STUDY ON LONG-SPAN CLT-GLULAM COMPOSITE FLOORING SYSTEM CONNECTED WITH BAMBOO-TENSION SHEAR CONNECTIONS
90	Hideyuki Nasu	Nasu	Hideyuki	Timber Engineering	3.9 Wood-based building systems	DEVELOPMENT OF HIGH STRENGTH BEARING WALLS FOR FRAMEWORK CONSTRUCTION METHOD USING 2x4 LUMBER AND PLYWOOD MADE OF JAPANESE TIMBER
92	Tomoya Sahata	Sahata	Tomoya	Timber Engineering	3.9 Wood-based building systems	STUDY ON FRAME DESIGN OF CONVENTIONAL WOODEN HOUSE
110	Tyler Hull	Hull	Tyler	Timber Engineering	3.9 Wood-based building systems	Experimental Analysis of the Effective Flange Width of Composite CLT-Glulam Ribbed and Box Panels
114	Kouta Matsumoto	Matsumoto	Kouta	Timber Engineering	3.9 Wood-based building systems	IMPACT OF EXTERIOR SIDING WALL AND ITS CONNECTING METHODS IN WOODEN HOUSES: COMPARATIVE VERIFICATION FOR STRUCTURAL PERFORMANCE WITH DIFFERENT CONNECTION METHODS OF WALL SIDINGS
128	Rongji Fu	Fu	Rongji	Timber Engineering	3.9 Wood-based building systems	STUDY ON THE EVALUATION OF THE RESTORING FORCE CHARACTERISTICS OF FLOOR OF TRADITIONAL WOODEN BUILDING IN KYOTO
170	Takumi Suyama	Suyama	Takumi	Timber Engineering	3.9 Wood-based building systems	LOADING TEST OF CLT-SHEAR WALL CONNECTED WITH STEEL BAR-TIMBER COMPOSITE COLUMN DISSIPATING HIGH-ENERGY
183	Fernando Viliz	Viliz	Fernando	Timber Engineering	3.9 Wood-based building systems	FULL-SCALE LATERAL TESTING AND MODELING OF INDUSTRIALIZED TIMBER DIAPHRAGMS INCLUDING ONE-FRAMING AND NON-STRUCTURAL SHEATHING
220	Shane Hossett	Hossett	Shane	Timber Engineering	3.9 Wood-based building systems	TIMBER VALULTS FOR ULTRA-LOW-CARBON BUILDINGS/STRUCTURES
225	Craig Cowled	Cowled	Craig	Timber Engineering	3.9 Wood-based building systems	INFLUENCE OF PLASTERBOARD ON THE STRUCTURAL PERFORMANCE OF TIMBER-FRAMED SHEAR WALLS
258	Giuseppe D'Arenzo	Ruggeri	Elisabetta Maria	Timber Engineering	3.9 Wood-based building systems	EXPERIMENTAL CHARACTERIZATION OF CLT SHEAR WALLS CONNECTED TO PERPENDICULAR WALLS
280	Matthias Brieden	Brieden	Matthias	Timber Engineering	3.9 Wood-based building systems	SEGMENTED COMPOSITE SECTIONS WITH WOOD DOWELS
341	Danielle Casagrande	Casagrande	Danielle	Timber Engineering	3.9 Wood-based building systems	EXPERIMENTAL AND NUMERICAL INVESTIGATION OF THE MECHANICAL BEHAVIOUR OF LIGHT-FRAME TIMBER SHEARWALLS WITH DIAGONAL BOARD SHEATHING
662	Chul-Ki Kim	Kim	Chul-Ki	Timber Engineering	3.9 Wood-based building systems	SHEAR PERFORMANCE OF STRUCTURAL PARTICLEBOARD-SHEATHED LIGHT-FRAME WALL
692	Cristóbal Tapia Camú	Tapia Camú	Cristóbal	Timber Engineering	3.9 Wood-based building systems	Point-supports for a highly efficient timber hollow core slab system
740	Weichang Pang	Pang	Weichang	Timber Engineering	3.9 Wood-based building systems	Deployable Wood Structures for Disaster Relief and Military Use
111	Andreas Luth	Luth	Andreas	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	USAGE OF A BAMBOO HONEYCOMB STRUCTURE (COMBOO) IN TIMBER ARCHITECTURE
136	Laurane Néron	Néron	Laurane	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	BENDING OF CLT BY THE LATTICE HINGE METHOD
206	Victor Fréchar	Fréchar	Victor	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	STRATOCONCEPTION™, AN ADDITIVE MANUFACTURING PROCESS FOR TIMBER ARCHITECTURE: CHALLENGES AND OPPORTUNITIES
230	Matthias Arnold	Arnold	Matthias	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	HYPERBOLIC PARABOLOID SHELLS MADE OF DIAGONAL LAMINATED TIMBER ELEMENTS
350	Judith Sheine	Sheine	Judith	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	Mass Timber Panelized Workforce Housing in Oregon, U.S.
373	Payton Naranick	Naranick	Payton	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	Utilizing Low-Value Wood Species in Multifunctional Recreation Projects in Local CLT Manufacture and Design
450	Roberto Leconte De Mello	Leconte De Mello	Roberto	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	AMAZONIAN MASS TIMBER IN THE NEW CEPIS'S HEADQUARTERS – BRAZIL
583	Harrison Huang	Huang	Harrison	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	Integrating Timber Panel Elements into Historic Chinese Timber-Framed Houses to Enhance Multiple Building Performances
667	Marqus Lager	Lager	Marqus	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	TIMBER – SPECIFIC SPATIAL POTENTIALS
757	Roberto Leconte De Mello	Leconte De Mello	Roberto	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	SPECIAL SECTED TIMBER BEAMS AS STRUCTURAL MATERIAL IN TWO SPORTS GYMS AND A WINERY – BRAZIL
772	Edward Becker	Becker	Edward	Timber Architecture	4.1 Architectural potential of new wooden materials & technologies	Modular Construction With Low-Grade Hardwood Cross-Laminated Timber
81	Wolfgang Schwarzmann	Schwarzmann	Wolfgang	Timber Architecture	4.2 Integration of parametric architectural design & CNC manufacturing	CARPENTER AND ROBOT: HOW TO BENEFIT FROM THE KNOWLEDGE OF CRAFTSMEN AND THE STRENGTH OF ROBOTS
171	Cory Olsen	Olsen	Cory	Timber Architecture	4.2 Integration of parametric architectural design & CNC manufacturing	Mass Timber, Small Format: Open Source Furniture Prototyping from Mass Timber Scraps
429	Geon Heon Kim	Kim	Dongwook	Timber Architecture	4.2 Integration of parametric architectural design & CNC manufacturing	A BIM-BASED MODULE DESIGN METHODOLOGY FOR THE ROOF PLANNING OF MODERNIZED KOREAN TRADITIONAL WOODEN BUILDINGS
520	John Haddad Mork	Haddad Mork	John	Timber Architecture	4.2 Integration of parametric architectural design & CNC manufacturing	STEPS TOWARDS A UNIVERSAL SCHEME FOR PARAMETRIC DETAILING OF COMPOUND TIMBER STRUCTURES
183	Riccardo Pinotti	Pinotti	Riccardo	Timber Architecture	4.3 Building physics & building skins	Hygro-thermal experimental analysis of a flat roof structure integrating a variable vapor-diffusivity membrane
359	Kataryna Ostapska	Ostapska	Kataryna	Timber Architecture	4.3 Building physics & building skins	DEVELOPING SLIMMER WINDOW TIMBER FRAME
369	Sebastian Svensson Meulmann	Meulmann	Sebastian Svensson	Timber Architecture	4.3 Building physics & building skins	Outdoor Panels From Norway Spruce - The Effect of Coating Color on the Temperature
446	Dimitrios Kraniotis	Kraniotis	Dimitrios	Timber Architecture	4.3 Building physics & building skins	HYGROTHERMAL PERFORMANCE OF NATURE-BASED INSULATION MATERIALS INTEGRATED IN TIMBER-BASED WALL SYSTEMS
531	Nikolai Litvinov	Litvinov	Nikolai	Timber Architecture	4.3 Building physics & building skins	Moisture content prediction of timber for durability applications: using data-driven modelling
555	Dehong Li	Li	Dehong	Timber Architecture	4.3 Building physics & building skins	SUGAR ALCOHOL AS A PHASE CHANGE MATERIAL WITH EXCELLENT THERMAL STORAGE PROPERTIES IN BUILDINGS
769	Shinya Okuda	Okuda	Shinya	Timber Architecture	4.3 Building physics & building skins	TIMBER CLADDING DISCOLOURATION IN TROPICAL MONSOON CLIMATES
93	Nicolas Giron	Giron	Nicolas	Timber Architecture	4.4 Sensor systems for building process and operation	CREEP TESTING OF A TIMBER LATTICE FRAME USING IMAGE RECOGNITION
126	Charlotte Seeborg	Seeborg	Malin	Timber Architecture	4.4 Sensor systems for building process and operation	A MODULUS MANAGEMENT STRATEGY FOR CLT USING SENSOR TECHNOLOGY TO CREATE A ROBUST NORWEGIAN SCHOOL
134	Boris Fausthuber	Fausthuber	Boris	Timber Architecture	4.4 Sensor systems for building process and operation	Printed Sensors for Moisture Content Inside Timber Building Elements
244	Anton Kraler	Kraler	Anton	Timber Architecture	4.4 Sensor systems for building process and operation	MOISTURE AND TIGHTNESS MONITORING WITH DIFFERENT MEASURING SYSTEMS AND METHODS - EXAMPLE APARTMENT BUILDING
520	Gabriele Tamagnone	Tamagnone	Gabriele	Timber Architecture	4.4 Sensor systems for building process and operation	The new centre for advanced timber technology: a living lab for designers, industry, and education
702	Johannes Koch	Koch	Johannes	Timber Architecture	4.4 Sensor systems for building process and operation	A PROMISING APPROACH OF LINEAR TIMBER STRUCTURAL HEALTH MONITORING
804	Mariapaglia Rigio	Rigio	Mariapaglia	Timber Architecture	4.4 Sensor systems for building process and operation	Hygrothermal behaviour of timber surfaces for long-term monitoring: an innovative method of integrating data from monitoring projects
9	Suzanne Segner-Villanueva	Villanueva	Natalia	Timber Architecture	4.5 New design practice and building systems	Reciprocal Frames: an ancestral structural principle to use native wood species in Chile

43	Horly LUIZOLO NSUMBU	NSUMBU	Horly LUIZOLO	Timber Architecture	4.5 New design practice and building systems	Development of a new type of building in tropical regions based on the energetic performance and recovery of recycled wood
156	Camilla Schlyter	Schlyter	Camilla Schlyter	Timber Architecture	4.5 New design practice and building systems	USING CO-DESIGN AND PROCESS DATA FOR DEVELOPING A NEW WOODEN FACADE SYSTEM
388	Puxi Huang	Meng	Yiping	Timber Architecture	4.5 New design practice and building systems	MODULE COORDINATION FOR MAXIMUM ARCHITECTURAL FLEXIBILITY IN MODULAR TIMBER SCHOOL PROJECT
504	Marius Nygaard	Nygaard	Marius Nygaard	Timber Architecture	4.5 New design practice and building systems	A Design Framework for Timber Building Systems
647	Gerardo Armanet	Armanet	Gerardo	Timber Architecture	4.5 New design practice and building systems	TAMANGO BUILDING: TYPOLOGICAL EXPLORATION FOR A HIGH-RISE DWELLING BUILDING LOCATED IN A SEISMIC AREA, BASED ON HYBRID WOOD AND CONCRETE STRUCTURES.
654	Sebastian Carcamo	Carcamo	Sebastian	Timber Architecture	4.5 New design practice and building systems	Morphologic Study of Hybrid Tall Building Towards an Interdisciplinary Design
830	Hana Svatoš-Radžević	Svatoš-Radžević	Hana	Timber Architecture	4.5 New design practice and building systems	TOWARDS DESIGN FLEXIBILITY AND FREEDOM IN MULTI-STORY TIMBER CONSTRUCTION: ARCHITECTURAL APPLICATIONS OF A NOVEL, ADAPTIVE HOLLOW SLAB BUILDING SYSTEM
387	Manuel Sánchez-Solis	Sánchez-Solis	Manuel	Timber Architecture	4.6 Use of timber in transport sector (bridges, airports, harbours)	Nelly Bru: one footway, three ways of sustainability
497	Martin Cepelak	Cepelak	Martin	Timber Architecture	4.6 Use of timber in transport sector (bridges, airports, harbours)	AN INSIGHT INTO THE DEVELOPMENT OF TIMBER BRIDGES IN NORWAY AND SWEDEN
765	Kristian Dahl	Dahl	Kristian	Timber Architecture	4.6 Use of timber in transport sector (bridges, airports, harbours)	Skyetebanen bridge - a timber bridge with concrete deck
22	Hina Takizawa	Takizawa	Hina	Timber Architecture	4.7 Exploration & restoration of existing structures	In-plane Shear Test and Application Study of Seismic Retrofit Timber Frame with CFRTP Strands
24	Mislav Stepanac	Stepanac	Mislav	Timber Architecture	4.7 Exploration & restoration of existing structures	USING OF MODERN TECHNOLOGIES IN POST-EARTHQUAKE ASSESSMENT AND DOCUMENTATION OF TIMBER ROOFS
27	Hiroaki Yoshinuma	Yoshinuma	Hiroaki	Timber Architecture	4.7 Exploration & restoration of existing structures	EVALUATION OF VIBRATION CHARACTERISTICS OF EXISTING TIMBER ARCHITECTURE BY MICROTRIMOR MEASUREMENT EXAMINATION WHEN IT IS DIFFICULT TO INSTALL AN ACCELEROMETER IN THE ATTC-
52	Wataru Kambe	Kambe	Wataru	Timber Architecture	4.7 Exploration & restoration of existing structures	DEVELOPMENT OF SIMPLE REPAIRING HARDWARE FOR DAMAGED ENDS OF WOODEN BEARING WALLS
76	Kohel Komatsu	Komatsu	Kohel	Timber Architecture	4.7 Exploration & restoration of existing structures	STUDY ON THE MECHANICAL PERFORMANCE OF MULTI-LAYERED BRACKET COMPLEX
224	José Faria	Faria	José	Timber Architecture	4.7 Exploration & restoration of existing structures	METHODOLOGY OF REHABILITATION OF TIMBER STRUCTURES IN HISTORICAL BUILDINGS
228	Rafael Novais Passarelli	Novais Passarelli	Rafael	Timber Architecture	4.7 Exploration & restoration of existing structures	HARVESTING THE URBAN FOREST: A CASE STUDY OF THE CIRCULAR BUILDING SEMINAR AT UHASSELL IN BELGIUM
276	Zhenar Li	Zhenar	Zhenar	Timber Architecture	4.7 Exploration & restoration of existing structures	EXPERIMENTAL STUDY ON LATERAL PERFORMANCE OF A FRAME WITH DEEP BEAMS AND HANGING MUD WALLS IN TRADITIONAL JAPANESE RESIDENTIAL HOUSES
291	Sascha Schwendner	Schendner	Sascha	Timber Architecture	4.7 Exploration & restoration of existing structures	Assessment of nailed connections in existing structures
292	Sascha Schwendner	Schendner	Sascha	Timber Architecture	4.7 Exploration & restoration of existing structures	Testing of connections taken from old nailed roof trusses
324	Michelle Mirra	Mirra	Michelle	Timber Architecture	4.7 Exploration & restoration of existing structures	INFLUENCE OF MOISTURE CONTENT ON THE ASSESSMENT OF DECAY LEVELS BY MICRO-DRILLING MEASUREMENTS IN WOODEN FOUNDATION PILES
336	Daisuke SHIMIZU	Shimizu	Daisuke	Timber Architecture	4.7 Exploration & restoration of existing structures	A STUDY ON COORDINATED EXPRESSION OF THE SEISMIC DIAGNOSIS SCORE AND ITS APPLICATION TO RETROFIT REINFORCEMENT PROJECTS UNDER COST CONTROL FOR JAPANESE TIMBER HOUSES
400	Hans Dreiser	Dreiser	Hans	Timber Architecture	4.7 Exploration & restoration of existing structures	MONO-MATERIAL TIMBER CONSTRUCTION RE-INVENTION OF PRESS-FIT TIMBER CONSTRUCTIONS
401	Nelson Brito	Brito	Nelson	Timber Architecture	4.7 Exploration & restoration of existing structures	SCALING UP ENGINEERED TIMBER FOR NEIGHBOURHOOD SCALE DEEP RENOVATION: FINDINGS FROM A STUDY IN COIMBRA, PT
410	Jaemo Cho	Jaemo	Jaemo	Timber Architecture	4.7 Exploration & restoration of existing structures	Modification of Roof structure of the Traditional wood houses in the Urban area of Daegu, Korea during mid twentieth century
438	Wendy Wuys	Wuys	Wendy	Timber Architecture	4.7 Exploration & restoration of existing structures	Reuse of Wood, learning through action research in Norway about costs, benefits and risks of high tech and low tech technologies in the different stages
449	Jeanghyun Kim	Jeanghyun	Jeanghyun	Timber Architecture	4.7 Exploration & restoration of existing structures	Archivization of Hanseon Timber Architecture of Traditional Korean Roof Shape in the Early 20th Century
600	Yasuhiko Nambu	Nambu	Yasuhiko	Timber Architecture	4.7 Exploration & restoration of existing structures	Seismic Performance Evaluation of a Traditional Wooden townhouse that did not Collapse in the 2016 Kumamoto Earthquake
613	Kangmin Lee	Lee	Kangmin	Timber Architecture	4.7 Exploration & restoration of existing structures	Development of Timber Roof Frames in Korean Modern Architecture
631	Maria Pilar Giraldo	Giraldo	Maria Pilar	Timber Architecture	4.7 Exploration & restoration of existing structures	COMBINATION OF NDT AND DESTRUCTIVE TESTS FOR GRADING THE STRENGTH CLASS OF TIMBER TO REHABILITATE STRUCTURES
633	Manabu Fujimoto	Fujimoto	Manabu	Timber Architecture	4.7 Exploration & restoration of existing structures	The Present State and Issues on Retrofitting of Historic Timber-Framed Brick Construction Buildings in Japan
801	Dibyá Kuyala	Kuyala	Dibyá	Timber Architecture	4.7 Exploration & restoration of existing structures	FERROCEMENT WOODEN HOUSES FOR POST-GREATER HOUSING
187	Jens Frohmüller	Frohmüller	Jens	Implementation	5.1 Best practice examples	ADHESIVE BONDED TIMBER-CONCRETE COMPOSITE CONSTRUCTION METHOD (ATCC) – PILOT APPLICATION IN A SCHOOL BUILDING IN GERMANY
571	Jacopo Zanni	Zanni	Jacopo	Implementation	5.1 Best practice examples	APPLICATION OF A WOODEN PREFABRICATED SHELL EXOSKELETON FOR THE INTEGRATED AND SUSTAINABLE RETROFIT OF A RESIDENTIAL BUILDING
592	Alain Bradette	Bradette	Alain	Implementation	5.1 Best practice examples	BUILDING WITH WOOD STRUCTURES – SUCCESSFUL DESIGN PROCESS
825	Eduardo Rojas Brialles	Rojas Brialles	Hilary	Implementation	5.1 Best practice examples	CAN RISING DEMANDS FOR TIMBER IN CONSTRUCTION ACCELERATE DEFORESTATION?
57	Harald Lveen	Lveen	Harald	Implementation	5.2 Case studies and visions	Mindsetmet: The world's tallest timber building
113	Marcus Strang	Strang	Marcus	Implementation	5.2 Case studies and visions	Validating moisture-safe energy efficient CLT assemblies in hot and humid climates using experimental testing
120	Elias Mehr Wilson	Wilson	Mal	Implementation	5.2 Case studies and visions	NEW HQ COPENHAGEN A NEW STANDARD FOR SUSTAINABLE BUILDINGS IN AN INTERNATIONAL CORPORATION
149	Kazuki Tsuda	Tsuda	Kazuki	Implementation	5.2 Case studies and visions	A WORKABILITY AND SUSTAINABILITY ASSESSMENT OF MULTI-STORY EARTHQUAKE-RESISTANT TIMBER BUILDING
155	Camilla Schlyter	Schlyter	Camilla	Implementation	5.2 Case studies and visions	COMPUTATIONAL DESIGN DEVELOPMENT OF LOW WOODEN FACADE SYSTEM
163	Charline Lefebvre	Néron	Charline	Implementation	5.2 Case studies and visions	Study case: Refurbishment of the Gare Maritime in Brussels
202	Laurent Giampellegrini	Giampellegrini	Laurent	Implementation	5.2 Case studies and visions	WIDE-SPAN LVL ROOF STRUCTURE FOR AN INDOOR SWIMMING POOL
221	Laurent Giampellegrini	Giampellegrini	Laurent	Implementation	5.2 Case studies and visions	DESIGN OF A TALL MASS TIMBER TOWER FOR WIND-INDUCED ACCELERATIONS FOR OCCUPANCY COMFORT
245	Cyva Zernicke	Zernicke	Cyva	Implementation	5.2 Case studies and visions	WEB-GIS-TOOL: ESTIMATION OF GREENHOUSE GAS SAVINGS DUE TO TIMBER USE IN THE URBAN BUILT ENVIRONMENT
253	Alvdis Hardeng	Hardeng	Alvdis	Implementation	5.2 Case studies and visions	BUILDING INFORMATION MODELING OF A TIMBER BRIDGE – A CASE STUDY
320	Rulia Johnsen	Tanne	Rulia Bonnes	Implementation	5.2 Case studies and visions	The BV2020 solution - going big with light timber structures
328	Alexander Pogoreltsev	Pogoreltsev	Alexander	Implementation	5.2 Case studies and visions	LARGE-SPAN LAMINATED TIMBER STRUCTURES WITH BENDED AND COMPRESSION-BENDED JOINTS ON GLUED-IN REBARS PERFORMED ON THE ASSEMBLY
398	Carillo Cali Neto	Carillo	Carillo	Implementation	5.2 Case studies and visions	NLT DEVELOPMENT FOR BRAZILIAN MARKET – TESTS AND USE
399	Carillo Cali Neto	Carillo	Carillo	Implementation	5.2 Case studies and visions	THE FIRST MASSIVE TIMBER BUILDING IN BRAZIL
411	Carl Larsson	Larsson	Carl	Implementation	5.2 Case studies and visions	A SURVEY OF THE DESIGN OF TIMBER-CONCRETE HYBRID BUILDINGS
418	Carla Dickof	Dickof	Carla	Implementation	5.2 Case studies and visions	CASE STUDY: A 10-STORY TIMBER BRACED FRAME AND CLT STRUCTURE IN VANCOUVER, BC
456	Katie Overton	Overton	Katie	Implementation	5.2 Case studies and visions	HUT – INDOOR CLIMBING CENTRE, SKIEN, NORWAY
458	Kate Overton	Overton	Katie	Implementation	5.2 Case studies and visions	SPOR X – 10-STORY TIMBER OFFICE BUILDING, DRAMMEN, NORWAY
488	Yutaka Goto	Goto	Yutaka	Implementation	5.2 Case studies and visions	ECONOMIC COMPARISON OF MASS-TIMBER AND CONCRETE CONSTRUCTION IN THE NORDIC REGION
503	Sigurdur Gíammarsson	Skathheimskv	Tim	Implementation	5.2 Case studies and visions	THE BENEFITS AND CHALLENGES OF WOOD IN HIGH CORROSIVE SURROUNDINGS
515	Aku Asplia	Asplia	Aku	Implementation	5.2 Case studies and visions	Suitability of slim-floor steel-timber composites as intermediate floor constructions – a case study based on projects in Finland
519	Sangyeon Park	Sangyeon	Park	Implementation	5.2 Case studies and visions	The relations in the Planar and Sectional Scales and Kan Composition of Traditional Korean Architecture
547	Carlos Kahler	Poblete	Pamela	Implementation	5.2 Case studies and visions	Comparative study of construction systems of single-family houses according to construction cost using structural wood and other materials
549	Jamie Póbre Sullivan	Póbre Sullivan	Jamie	Implementation	5.2 Case studies and visions	Case Studies in the Next Generation of Paint-Supported CLT Structures
553	Tyler Hull	Hull	Tyler	Implementation	5.2 Case studies and visions	Case Study on a Large-Scale Timber Academic Building Designed to Address Current Industry Challenges
588	Johan Vessby	Vessby	Johan	Implementation	5.2 Case studies and visions	LOAD LEVELS AND CRITICAL DESIGN ISSUES IN A MULTI-STORY RESIDENTIAL TIMBER BUILDING BUILT UP BY PREFABRICATED VOLUMETRIC ELEMENTS
668	Alexandros Kitrinariis	Kitrinariis	Alexandros	Implementation	5.2 Case studies and visions	EUPHORBIA: MASS TIMBER STADIUM
712	Davide Tanadini	Tanadini	Davide	Implementation	5.2 Case studies and visions	PLASTIC DESIGN OF RESPONE INTERLOCKING TIMBER-TO-TIMBER CONNECTIONS FOR AUTOMATIC ASSEMBLY
752	Brendan Fitzgerald	Fitzgerald	Brendan	Implementation	5.2 Case studies and visions	CASE STUDY: TERMINUS – NEW FRONTIERS IN HYBRID MASS TIMBER SEISMIC DESIGN
753	Ornagh Higgins	Fitzgerald	Brendan	Implementation	5.2 Case studies and visions	TALLWOOD 1: LESSONS LEARNED ON COMPLETION OF CANADA'S FIRST 12 STOREY TIMBER-STEEL HYBRID BUILDING
807	Vanesa Baño	Baño	Vanesa	Implementation	5.2 Case studies and visions	HARDWOOD GLULAM IN COMPLEX STRUCTURES: DESIGN AND CONSTRUCTION OF THE MACA MUSEUM IN URUGUAY
808	Ralph Belgerio	Belgerio	Ralph	Implementation	5.2 Case studies and visions	CASE STUDY – THE USE OF ROBOTICS IN THE CONSTRUCTION OF TIMBER STRUCTURES USING WESTERN AUSTRALIA'S LARGEST MASS ENGINEERED TIMBER GLULAM AS A TEST BED
822	Laurent Petit	Petit	Laurent	Implementation	5.2 Case studies and visions	ARBORETUM, The largest wood office campus in Europe: technical, organizational, and sustainability challenges. Design and innovation to achieve energy & carbon savings on a large-scale project
831	Jonas Schmidt	Schmidt	Jonas	Implementation	5.2 Case studies and visions	CLEAR THE STAGE FOR TIMBER CONSTRUCTIONS
834	Terje Planke	Planke	Terje	Implementation	5.2 Case studies and visions	TRANSFORMATION OF RECLAIMED MATERIALS FROM BARN BUILDINGS – DESIGN OF A NEW TIMBER BUILDING FRAME
838	James Bliagh	Bliagh	James	Implementation	5.2 Case studies and visions	QUANTIFYING AND REDUCING EMBEDDED CARBON IN THE ACOUSTIC DESIGN OF MASS TIMBER BUILDINGS
656	Juan José Ugarte	Ugarte	Juan José	Implementation	5.3 Public incentives and strategies	DESIGN OF THE ROADMAP FOR THE WOODEN CONSTRUCTION OF SOCIAL HOUSING BUILDINGS IN URUGUAY
16	Christina Wilerainie	Wilerainie	Christina	Implementation	5.4 Industry strategies to improve modern timber use in constructions	INVESTING IN MASS TIMBER CONSTRUCTION IN AUSTRALIA: THE CLEAN ENERGY FINANCE CORPORATION TIMBER BUILDING PROGRAM
31	Mohammad Mohammad	Mohammad	Mohammad	Implementation	5.4 Industry strategies to improve modern timber use in constructions	RECENT ADVANCEMENT IN MASS TIMBER CONSTRUCTION TECHNOLOGIES IN CANADA
104	Antje Klitkou	Klitkou	Antje	Implementation	5.4 Industry strategies to improve modern timber use in constructions	The role of intermediary organisations in the sustainable transition of the Norwegian construction and building sector in Norway towards the broader deployment of wooden construction materials
122	Aida Santana Sosa	Santana Sosa	Aida	Implementation	5.4 Industry strategies to improve modern timber use in constructions	STATUS QUL OF AUSTRIAN TIMBER CONSTRUCTION SECTOR
124	Silje Marie Svartefoss	Svartefoss	Silje Marie	Implementation	5.4 Industry strategies to improve modern timber use in constructions	DIRECTORATE INTERLOCKS AND THE USE OF WOOD-BASED PRODUCTS
402	Ulrich Dangel	Dangel	Ulrich	Implementation	5.4 Industry strategies to improve modern timber use in constructions	Material Disruption: Cross-Laminated Timber in Texas
542	Wilson Mejias	Poblete	Pamela	Implementation	5.4 Industry strategies to improve modern timber use in constructions	Use of ARIMA models to project prices of sawn logs and timber in the construction materials market in Chile
638	Janina Gysling	Poblete	Pamela	Implementation	5.4 Industry strategies to improve modern timber use in constructions	CHARACTERIZATION OF GLUED-LAMINATED TIMBER SUPPLY IN CHILE
685	Daniel Soto	Poblete	Pamela	Implementation	5.4 Industry strategies to improve modern timber use in constructions	ESTIMATING THE GLUED-LAMINATED TIMBER DEMAND IN NON-RESIDENTIAL BUILDINGS IN CHILE
714	Stephan Ott, Andreas Rudená	Ott	Stephan	Implementation	5.4 Industry strategies to improve modern timber use in constructions	Digital Twin Framework for visual exploration of material flows and carbon impacts of engineered wood product chains from forest to buildings
738	Bill Parsons	Parsons	Bill	Implementation	5.4 Industry strategies to improve modern timber use in constructions	ACCELERATION OF UNITED STATES MARKETS FOR WOOD
821	Lauri Linkosalmi	Linkosalmi	Lauri	Implementation	5.4 Industry strategies to improve modern timber use in constructions	HARMONISATION OF THE ENVIRONMENTAL PRODUCT DECLARATIONS FOR WOOD PRODUCTS
105	Laila Haurie	Fadai	Allireza	Implementation	5.5 Educations and future trends	HYBRIDTIM: DESIGN AND CONSTRUCTION OF ENVIRONMENTAL HIGH PERFORMANCE HYBRID ENGINEERED TIMBER BUILDINGS
165	Samuel Zelinka	Zelinka	Samuel	Implementation	5.5 Educations and future trends	FINDINGS FROM THE 2023 NORTH AMERICAN MASS TIMBER RESEARCH NEEDS ASSESSMENT WORKSHOP
348	Elena Mitrova	Mitrova	Elena	Implementation	5.5 Educations and future trends	HYBRIDWOOD – DIDACTIC APPROACHES FOR ACADEMIC EDUCATION ON MULTI-STORY TIMBER BUILDINGS
353	Christian Dagenais	Dagenais	Christian	Implementation	5.5 Educations and future trends	Fire Safe Use of Wood in Buildings - Global Design Guide
627	Günther H. Filz	Filz	Günther H.	Implementation	5.5 Educations and future trends	HORIZONTAL AND VERTICAL KNOWLEDGE MANAGEMENT IN MULTIDISCIPLINARY RESEARCH AND DESIGN-BUILD TEACHING: A TIMBER-ONLY TRAIL
645	Allireza Fadai	Fadai	Allireza	Implementation	5.5 Educations and future trends	RESOURCE-EFFICIENT MATERIALIZATION   SUSTAINABILITY FUTURE TRENDS
658	Martin Hurtado	Hurtado	Martin	Implementation	5.5 Educations and future trends	WOOD PROFESSIONAL WORKSHOP: EFFICIENCY OF TIMBER STRUCTURES FOR ARCHITECTURE STUDENTS.
659	Colin O'Brien	O'Brien	Colin	Implementation	5.5 Educations and future trends	Guides: Introduction of reuse of timber materials in the 1st year of architectural education
736	Aghlab Al-Attali	Al-attali	Aghlab	Implementation	5.5 Educations and future trends	THEORISING A NEW EDUCATIONAL AGENDA FOR SUSTAINABLE BUILT ENVIRONMENT PROFESSIONALS: TIMBER TECHNOLOGY, ENGINEERING, AND DESIGN PROGRAMME
737	Weichiang Pang	Pang	Weichiang	Timber Engineering	5.5 Educations and future trends	DEFLECTION OF CANTILEVER CROSS-LAMINATED TIMBER DIAPHRAGMS UNDER IN-PLANE LOAD