

5th Pacific Timber Engineering Conference (PTEC 2019)

10-12 July 2019
Brisbane, AUSTRALIA

PTEC 2019 - ABSTRACT REVIEW

Day 1 - Wednesday, 10 July 2019

Day 2 - Thursday, 11 July 2019

Day 3 - Friday, 12 July 2019

Day/Time	Session/ Room	Category	Presenter/Author	Additional Authors	University / Company	Abstract Title	Abstract Link
Day 1 - 9:20am to 10am	* Keynote - Plaza 1 & 2	Keynote - Day 1	Professor José L. Torero		University College London	Explicit Design of Fire Safe Timber Structures by Separation of Risks	https://tinyurl.com/y5t4upj9
Day 1 - 10:00am to 10:40am	* Keynote - Plaza 1 & 2	Keynote - Day 1	Toby Hodsdon		Arup, Brisbane, Australia	Our Timber Journey – using design and research to build better	https://tinyurl.com/y49st595
Day 2 - 9:00am to 9:40am	* Keynote - Plaza 1 & 2	Keynote - Day 2	Professor Frank Lam		University of British Columbia, Canada	Opportunities and Challenges in Timber Engineering Research	https://tinyurl.com/y447p539
Day 2 - 9:40am to 10:20am	* Keynote - Plaza 1 & 2	Keynote - Day 2	Ben Owen		Lendlease Building, ACT	Implementation and the buildability benefits of timber in construction	https://tinyurl.com/y49vw9bp
Day 3 - 9:00am to 9:40am	* Keynote - Plaza 1 & 2	Keynote - Day 3	Professor Minjuan He		Tongji University, China	The Recent Development on Timber Engineering in China - Research, Codes and Construction Projects	https://tinyurl.com/y3jtmsum
Day 3 - 9:40am to 10:20am	* Keynote - Plaza 1 & 2	Keynote - Day 3	Anna Charalambous		Lendlease DesignMake	The evolution of mass timber from a Lendlease perspective and the future direction of utilising digital design and manufacturing principles.	https://tinyurl.com/y4s5b8mb
Day 1 - 11:00am to 12:50pm	1A - Plaza 1	Timber Engineering (fire engineering)	Robert Dixon	David Barber	Arup	A Time-Equivalence Methodology for Exposed Mass Timber Structural Elements	NOT AVAILABLE
Day 1 - 11:00am to 12:50pm	1A - Plaza 1	Timber Engineering (fire engineering)	Cristian Maluk	Cristian Maluk	The University of Queensland	Can we use inverse cause-consequence analyses for the fire safe engineering design of load-bearing timber structures?	https://tinyurl.com/y59chkdd
Day 1 - 11:00am to 12:50pm	1A - Plaza 1	Timber Engineering (fire engineering)	Gabrielle K. Hodge	Cristian Maluk, Joseph M. Gattas	The University of Queensland	Computational design of glued laminated timber trusses: a comparison of Australian Standard and Eurocode fire safety design implementations.	http://tinyurl.com/yv4f9pob
Day 1 - 11:00am to 12:50pm	1A - Plaza 1	Timber Engineering (fire engineering)	Oat Tukaew	M.C. Hui, O. Tukaew, L. Thompson	RED Fire Engineers Pty Ltd	CHALLENGES TO PERFORMANCE-BASED FIRE SAFETY DESIGNS IN COMPLEX AND TALL MASS TIMBER BUILDINGS	NOT AVAILABLE

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Day 1 - 11:00am to 12:50pm	1B - Plaza 2	Wood products and components (new products and connections)	Giovanni Scollo		Rothoblaas	POINT SUPPORTED CLT SLABS: A NEW REINFORCEMENT SYSTEM FOR THE COLUMN-FLOOR-COLUMN NODE	https://tinyurl.com/y2xe7noj
Day 1 - 11:00am to 12:50pm	1B - Plaza 2	Wood products and components (new products and connections)	Hao Zhou	Dilum Fernando, Rob McGavin, Yun Zou	3E Panels Pty Ltd, Queensland, Australia & The University of Queensland	Novel 3E Wall Panels	NOT AVAILABLE
Day 1 - 11:00am to 12:50pm	1B - Plaza 2	Wood products and components (new products and connections)	Cristiano Loss	Luigi Farinati	University of British Columbia, Canada	Prefabricated modular hybrid timber-based components for the next generation of multi-story buildings	https://tinyurl.com/y39hh8pa
Day 1 - 11:00am to 12:50pm	1B - Plaza 2	Wood products and components (new products and connections)	Farshid Nouri	H. Valipour	University of NSW	Semi-rigid partial-strength steel-timber composite beam-to-column joints	NOT AVAILABLE
Day 1 - 11:00am to 12:50pm	1C - Plaza 3	Timber engineering (mixed, compsite, and hybrid structures)	Layla Kia	Hamid R. Valipour, Kourosh Kayvani	UNSW	Feasibility of Expressive Timber-Steel Hybrid Exoskeletal Systems for Tall Timber Structures	https://tinyurl.com/yxp6u3af
Day 1 - 11:00am to 12:50pm	1C - Plaza 3	Timber Engineering (mixed, compsite, and hybrid structures)	Zherui LI	Akihisa KITAMORI, Hiroshi ISODA, Yasuhiro ARAKI	Kyoto University, Japan	Lateral Performance of the Frame with Upper Mud Wall in Japanese Traditional Residential Houses	https://tinyurl.com/y2s3s99a
Day 1 - 11:00am to 12:50pm	1C - Plaza 3	Timber Engineering (mixed, compsite, and hybrid structures)	Robert Tan	Kamiran Abdouka, Tung Pham	MiTek Australia Ltd	PosiSlab Composite Concrete on Metal-Webbed Timber Floor Truss System	NOT AVAILABLE
Day 1 - 11:00am to 12:50pm	1C - Plaza 3	Timber Engineering (mixed, compsite, and hybrid structures)	Kevin Plasencia	N. Hewson, J. Church, K. Plasencia	XLam Australia Pty Ltd	CLT Composite Band Beam Floor System Design Concept	https://tinyurl.com/y2794ogr
Day 1 - 1:50pm to 3:40pm	2A - Plaza 1	Timber Engineering (fire engineering)	Samia Razzaque	Qazi Samia Razzaque, Andrea Lucherini, Cristian Maluk	Remedial Building Services Australia Pty Ltd, Australia & The University of Queensland	Intumescent Coatings on Timber – Exploring what is it actually doing?	https://tinyurl.com/y3b362yv
Day 1 - 1:50pm to 3:40pm	2A - Plaza 1	Timber Engineering (fire engineering)	Ian Pope	Juan P. Hidalgo, Andres Osorio, Cristián Maluka, José L. Torero	The University of Queensland	Effect of Grain Orientation on Heating and Charring of Laminated Bamboo Structures under Fire Conditions	NOT AVAILABLE
Day 1 - 1:50pm to 3:40pm	2A - Plaza 1	Timber Engineering (fire engineering)	Mateo Gutierrez	Cristian Maluk	The University of Queensland	Mechanical response of engineered bamboo at elevated temperatures	NOT AVAILABLE
Day 1 - 1:50pm to 3:40pm	2A - Plaza 1	Timber Engineering (fire engineering)	Juan I. Cuevas	Cristian Maluk	The University of Queensland	Challenges in the use of Bench-Scale Fire Testing as Design Tool	NOT AVAILABLE
Day 1 - 1:50pm to 3:40pm	2B - Plaza 2	Wood products and components (new products and connections)	Giovanni Scollo		Rothoblaas	TENSILE AND SHEAR BEHAVIOUR OF AN INNOVATIVE ANGLE BRACKET FOR CLT STRUCTURES	https://tinyurl.com/y3qtm8b

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Day 1 - 1:50pm to 3:40pm	2B - Plaza 2	Wood products and components (new products and connections)	Lie Luo	Jiayang Tang 1,2, Lie Luo*1, Xiaobin Song1,2, and Qinglie Chen1	Tongji University, China	Experimental and numerical studies on bolted glulam beam-column connections loaded perpendicular to grain	NOT AVAILABLE
Day 1 - 1:50pm to 3:40pm	2B - Plaza 2	Wood products and components (new products and connections)	Qianwen Han	Minjuan He, Zheng Lim Xijun Wang	Tongji University, China	Experimental Study on Screwed Beam-Wall Joint for Multi-Storey Glulam Portal Frame with Cross Laminated Timber Shear Walls	https://tinyurl.com/yxzx25ma
Day 1 - 1:50pm to 3:40pm	2B - Plaza 2	Wood products and components (new products and connections)	David Zhang	Matthew Smith	Multinail Australia Pty Ltd, Queensland, Australia	Timber Screw Capacity Related to Penetration Depth	https://tinyurl.com/y6m7ubwd
Day 1 - 1:50pm to 3:40pm	2C - Plaza 3	Timber Engineering (Durability Issues)	Jeffrey J. Morrell	Christoph Gerber, Kate Semple,	University of the Sunshine Coast	Role of Moisture Management in During Mass Timber Construction	https://tinyurl.com/y2yv6ko5
Day 1 - 1:50pm to 3:40pm	2C - Plaza 3	Timber Engineering (Durability Issues)	Andy Buchanan	Daniel Moroder	PTL Structural Consultants, Christchurch, New Zealand	Why healthy buildings are so important for structural timber engineers	NOT AVAILABLE
Day 1 - 1:50pm to 3:40pm	2C - Plaza 3	Timber Engineering (Durability Issues)	Geoff Stringer		University of Queensland	Internal Stress in Timber – Reliable design methods?	https://tinyurl.com/y3l2rb14
Day 1 - 1:50pm to 3:40pm	2C - Plaza 3	Timber Engineering (Durability Issues)	Philip D. Evans	Lukie L. Leung, Joseph D.W. Kim, Sara Kraushaar Gibson	University of British Columbia, Canada	High-Performance Clear Coatings for Timber Buildings	https://tinyurl.com/y3hej4xx
Day 1 - 4:10pm to 5:30pm	3A - Plaza 1	Timber Engineering (fire engineering)	Carmen Gorska	Juan P. Hidalgo	The University of Queensland	Self-Extinguishment of Cross-Laminated Timber in the Context of Compartment Fires	https://tinyurl.com/y3q2ys8l
Day 1 - 4:10pm to 5:30pm	3A - Plaza 1	Timber Engineering (fire engineering)	Aidon Browning	Jeronimo Carrascal, Juan P. Hidalgo	Holmes Fire L.P, Fortitude Valley, Queensland, Australia	The Effect of Fuel Load Nature on the Self-Extinction of Mass Timber	https://tinyurl.com/y2lv7q4u
Day 1 - 4:10pm to 5:30pm	3A - Plaza 1	Timber Engineering (fire engineering)	Hangyu Xu	J.P. Hidalgo, J. Carrascal, A. Bolaños, J. Cadena, J. Cuevas, I. Pope, M.L. Ramadhan, A. Solarte, V. Gupta, A.	The University of Queensland	Exploring the self-extinguishment mechanism of engineered timber in full-scale compartment fires: Design of Full-Scale Experiments and Preliminary Results	https://tinyurl.com/yy8gvxkd
Day 1 - 4:10pm to 5:30pm	3B - Plaza 2	Wood products and components (new products and connections)	Mahyar Masaeli	B.P. Gilbert, H. Karampour, I.D. Underhill, C.H. Lyu, S. Gunalan, H. Guan	Griffith University	Scaling Effects in Beam-to-Column Connectors used in Mass Timber Buildings - Shear and Moment Behaviours	https://tinyurl.com/y5a58ojz
Day 1 - 4:10pm to 5:30pm	3B - Plaza 2	Wood products and components (new products and connections)	Nick Hewson	J. Church*1, N. Hewson2, K. Plasencia3	XLam Australia Pty Ltd	Experimental Analysis of Load-Bearing Capacity of Platform-Frame CLT Floor Wall Joint Reinforcements	https://tinyurl.com/y5a9mw92
Day 1 - 4:10pm to 5:30pm	3B - Plaza 2	Wood products and components (new products and connections)	Hyeon-jeong Lee	Sung-jun PANG, Jung Kwon Oh	Department of Forest Sciences, Seoul National University, Republic of Korea	Evaluation of screw shear connectors in Timber-Concrete Composite (TCC)	NOT AVAILABLE

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Day 1 - 4:10pm to 5:30pm	3C - Plaza 3	Timber Engineering (Robustness)	Toby Hodsdon	Benoit P. Gilbert, Richard Neuhercz	Arup, Brisbane, Australia	State of the Art in Designing for Robustness of Engineered Timber Buildings	https://tinyurl.com/ywbx5unj
Day 1 - 4:10pm to 5:30pm	3C - Plaza 3	Timber Engineering (Robustness)	Chunhao (Alan) Lyu	B.P. Gilbert, S. Gunalan, H. Karampour, I.D. Underhill, H. Guan	Griffith University	Experimental Study on a Novel Beam-to-Column Connector to Improve the Progressive Collapse Resistance of Mid-Rise Mass Timber Frame Buildings	https://tinyurl.com/y2ppmk7k
Day 1 - 4:10pm to 5:30pm	3C - Plaza 3	Timber Engineering (Robustness)	Xinyi Cheng	Benoit P. Gilbert, Hong Guan, Ian Underhill, Hassan Karampour, Shanmuganathan Gunalan	Griffith University	Experimental Study of the Dynamic Response of 2D Mass Timber Frames Under a Sudden Column Removal Scenario	https://tinyurl.com/yvwzvb5w
Day 2 - 10:50am to 12:40pm	4A - Plaza 1	Wood products and components (structural performance of materials)	Chandan Kumar	Steven Psaltis, Ian Turner, Elliot Carr, Troy Farrell, Loic Brancheriau, Gary Hopewell, David Lee, Henri Bailleres	Department of Agriculture and Fisheries, Queensland Government, Australia	Predicting performance of sawn boards by using transverse cores from standing trees	https://tinyurl.com/y5poolg4g
Day 2 - 10:50am to 12:40pm	4A - Plaza 1	Wood products and components (structural performance of materials)	Benoit Gilbert	Hao Zhang, Henri Bailleres	Griffith University	Capacity factors for laminated veneer lumber (LVL) beams manufactured from early to mid-rotation subtropical hardwood plantation logs	https://tinyurl.com/y2wmi9fm
Day 2 - 10:50am to 12:40pm	4A - Plaza 1	Wood products and components (structural performance of materials)	Samuel Wong	Shuxian Fan, Samuel Wong, James V. Zidek	University of Waterloo, Canada & University of British Columbia, Canada	New approaches for characterizing the strength of lumber based on a spatial distribution of knots	https://tinyurl.com/y2quuzpm
Day 2 - 10:50am to 12:40pm	4A - Plaza 1	Wood products and components (structural performance of materials)	Adam Redman	Prof. Ian Turner, Dr. Elliot Carr, Prof. Patrick Perré, Dr. Henri Bailleres,	Department of Agriculture and Fisheries, Queensland Government Australia	Modelling of Vacuum Drying of Australian Hardwood Species and Future Application	https://tinyurl.com/y5ekurpw
Day 2 - 10:50am to 12:40pm	4B - Plaza 2	Wood products and components (mixed, composite, and hybrid structures)	Abdulrahman Zabena	David Lange, Dilum Fernando, Cristian Maluk	The University of Queensland	Fire performance of a prototype Timber-FRP hybrid Glulam beam	https://tinyurl.com/y4o4x5vl
Day 2 - 10:50am to 12:40pm	4B - Plaza 2	Wood products and components (mixed, composite, and hybrid structures)	Ye Wen	Dilum Fernando, Benoit Gilbert	The University of Queensland	Hybrid Fibre-Reinforced Polymer (FRP)-Timber (HFT) Thin-Walled Cee Section Columns: Behaviour under Axial Compression	http://tinyurl.com/y3wm6t4p
Day 2 - 10:50am to 12:40pm	4B - Plaza 2	Wood products and components (mixed, composite, and hybrid structures)	Amir Karimi-Nobandegani	H. Valipour	University of NSW	Nonlocal three-dimensional continuum damage model for failure analysis of timbers	https://tinyurl.com/y5vx4f6s
Day 2 - 10:50am to 12:40pm	4B - Plaza 2	Wood products and components (mixed, composite, and hybrid structures)	Hamid Vali Pour Goudarzi	M. Bradford	University of NSW	Steel-timber composite floors	NOT AVAILABLE
Day 2 - 10:50am to 12:40pm	4C - Plaza 3	Timber Engineering (evaluation and comparison)	Xiaolan Zhang	Kotaro Sumida, Hiroshi Isoda, Yasuhiro Araki, Shoichi Nakashima, Nobuhiko Akiyama	Kyoto University, Japan	Cyclic loading tests of 3-storey CLT structures	https://tinyurl.com/yw4nhshv
Day 2 - 10:50am to 12:40pm	4C - Plaza 3	Timber Engineering (evaluation and comparison)	Alex Mainey	B.P. Gilbert, S. Gunalan, H. Bailleres, A. Redman, M. Smith	Griffith University	Investigation of the Moisture Driven Backout of Nailplates using Digital Image Correlation	https://tinyurl.com/y4nxfat8

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Day 2 - 10:50am to 12:40pm	4C - Plaza 3	Timber Engineering (evaluation and comparison)	Takahiro Tsuchimoto	Nobuyoshi Yamaguchi, Yasuhiro Araki, Masaki Muto, Shiro Nakajima, Shinsuke Kurumada, Sho Hayakawa	Dept. of Building Materials and Components, Building Research Institute, Japan	Verification of Various Performance on Full-Sized Testing Houses of 2-Story CLT Panel and 6-Story Wood Frame Construction	NOT AVAILABLE
Day 2 - 10:50am to 12:40pm	4C - Plaza 3	Timber Engineering (evaluation and comparison)	Hiroshi Isoda	Akira Takise, Masatoshi Shinohara, Takumi Noda	Kyoto University, Japan.	Experimental Seismic Behavior of a Two-Story Cross-Laminated Timber Structure without Tensile Anchor	https://tinyurl.com/v64gc3ti
Day 2 - 10:50am to 12:40pm	5A - Plaza 1	Wood products and components (structural performance of materials)	Marina Totsuka	Kenji Aoki, Masahiro Inayama	The University of Tokyo	Partial Compressive Properties in the direction to the Lateral Face in CLT	https://tinyurl.com/vweit3ad
Day 2 - 1:40pm to 3:30pm	5A - Plaza 1	Wood products and components (structural performance of materials)	Benoit Gilbert	Hoan Nguyen (Lead), Benoit P. Gilbert, Robert L. McGavin, Henri Bailleres	Griffith University	Key mechanical properties of LVL and cross-banded LVL manufactured from blending spotted gum and hoop pine veneers	https://tinyurl.com/y29kvp6s
Day 2 - 1:40pm to 3:30pm	5A - Plaza 1	Wood products and components (structural performance of materials)	Henry R Milner			Glulam characteristics from statistical engineering mechanics	https://tinyurl.com/y3lapvzd
Day 2 - 1:40pm to 3:30pm	5A - Plaza 1	Wood products and components (structural performance of materials)	Wenchen Dong	Minghao Li, Chin-Long Lee, Gregory MacRae, and Anthony Abu	University of Canterbury	Lateral Behavior of Glulam Frames with Buckling Restrained Braces (BRBs)	https://tinyurl.com/y2ctywxd
Day 2 - 1:40pm to 3:30pm	5A - Plaza 1	Wood products and components (structural performance of materials)	Xiuzhi Zheng	Xiuzhi Zheng, Minjuan He, Yongliang Sun	Tongji University	Long-term Performance of Post-tensioned Timber Beam-to-Column Connections	https://tinyurl.com/y5rzb93g
Day 2 - 1:40pm to 3:30pm	5B - Plaza 2	Wood products and components (high performance wood products and building systems)	Yongliang Sun	Yongliang Sun (1), Zheng Li, Minjuan He	Tongji Architectural Design (Group)Co.,Ltd., China	Experimental mechanical properties of modified timber made of rubberwood and It's Engineering Application	https://tinyurl.com/y6caz4pe
Day 2 - 1:40pm to 3:30pm	5B - Plaza 2	Wood products and components (high performance wood products and building systems)	Shuai Jiao	S. Jiao, S. Gunalan, B. P. Gilbert, B. Baleshan, H. Bailleres	Griffith University	Development of an Innovative Composite Mullion Made of Aluminium and Timber	https://tinyurl.com/v5li59bj
Day 2 - 1:40pm to 3:30pm	5B - Plaza 2	Wood products and components (high performance wood products and building systems)	Ya Ou	Dilum Fernando, Joseph M. Gattas	The University of Queensland	A Hybrid Timber-Concrete Floor System with Hollow Cores: An Experimental Study	NOT AVAILABLE
Day 2 - 1:40pm to 3:30pm	5B - Plaza 2	Wood products and components (high performance wood products and building systems)	Li Min	Dilum Fernandoa, Benoit P. Gilbert	The University of Queensland	Hybrid Fibre Reinforced Polymer (FRP)-Timber (HFT) Thin-Walled Structural Members	NOT AVAILABLE
Day 2 - 1:40pm to 3:30pm	5B - Plaza 2	Wood products and components (high performance wood products and building systems)	Atsushi Toyoda	Hideyuki Honda, Shingo Kato	Suncoh Consultant Co.,Ltd, Tokyo,Japan	Performance evaluation of the cross laminated timber (CLT) for the bridge decks	NOT AVAILABLE
Day 2 - 1:40pm to 3:30pm	5C - Plaza 3	Timber Engineering (best practice examples and case studies)	Judith Sheine	Mark Donofrio, Mikhail Gershfeld	University of Oregon, USA	LANE COUNTY MASS TIMBER COURTHOUSE: PROMOTING DEMONSTRATION PROJECTS THROUGH INTERDISCIPLINARY EDUCATION	https://tinyurl.com/yvbs4mpu

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Day 2 - 1:40pm to 3:30pm	5C - Plaza 3	Timber Engineering (best practice examples and case studies)	Jon Shanks	Andrew Partridge, Chris Short, Ivan Harbour	TimberED Services	#GlobalClinic - a case study in agile design & supply-chains in timber buildings	NOT AVAILABLE
Day 2 - 1:40pm to 3:30pm	5C - Plaza 3	Timber Engineering (best practice examples and case studies)	Gi Young Jeong	Khai Dang Tran	Chonnam National University, South Korea	High-rise timber building using Force based design	https://tinurl.com/v67ymwz3
Day 2 - 1:40pm to 3:30pm	5C - Plaza 3	Timber Engineering (best practice examples and case studies)	Knut Menden		BVN Architecture	Our Lady of the Assumption Catholic Primary School – Case Study 1st Multi Storey School in Mass timber construction (CLT, GLT)	https://tinurl.com/v3gutcla
Day 2 - 1:40pm to 3:30pm	6A - Plaza 1	Wood products and components (high performance wood products and building systems)	Koumei MAEHARA	Naohito KAWAI, Takafumi NAKAGAWA	Kogakuin University, Tokyo, Japan	The analytical research of seismic design for CLT structure using glued laminated timber for horizontal members	NOT AVAILABLE
Day 2 - 4:00pm to 5:30pm	6A - Plaza 1	Wood products and components (high performance wood products and building systems)	Justin Brown	Minghao Li, Francesco Sarti, Alessandro Palermo, Stefano Pampanin	University of Canterbury	Quasi-static cyclic testing of Post-Tensioned Timber Core-wall Systems	https://tinurl.com/v4s29agk
Day 2 - 4:00pm to 5:30pm	6A - Plaza 1	Wood products and components (high performance wood products and building systems)	Chunhao (Alan) Lyu	B.P. Gilbert, S. Gunalan, H. Karampour, I.D. Underhill, H. Guan	Griffith University	Progressive Collapse Experimental Response of Mid-Rise Mass Timber Frame Buildings under an Edge Column Removal Scenario	https://tinurl.com/v36p7kee
Day 2 - 4:00pm to 5:30pm	6B - Plaza 2	Timber Architecture	Kim Baber	Joseph M Gattas, Dilum Fernando, Sanghyung Ahn	The University of Queensland	LARGE SPAN GLUE LAMINATED ARCHES FOR THE YANGJAE GOGAE ECO BRIDGE	https://tinurl.com/v32fe5iv
Day 2 - 4:00pm to 5:30pm	6B - Plaza 2	Timber Architecture	Tim Crawshaw		BVN Architecture	MASS TIMBER CONSTRUCTION AND THE AESTHETIC OF INNOVATION	https://tinurl.com/v5civ9z
Day 2 - 4:00pm to 5:30pm	6B - Plaza 2	Timber Architecture	Eugenia Gasparri		University of Sydney	UNITISED TIMBER ENVELOPES – From Concept to Prototype	NOT AVAILABLE
Day 2 - 4:00pm to 5:30pm	6C - Plaza 3	Timber Engineering (Topics in timber engineering)	Joseph Gattas	Harry Mills (1), Kim Baber, Joseph M. Gattas	University of Queensland	The potential for underutilised timber for the built environment	https://tinurl.com/v2ynxo34
Day 2 - 4:00pm to 5:30pm	6C - Plaza 3	Timber Engineering (Topics in timber engineering)	Emma O'Neill	Daniel Moroder, Andy Buchanan	PTL I Structural Consultants, New Zealand	Pushing Boundaries with Light Timber Framing: Mary Potter Apartments	https://tinurl.com/v3avuv6a
Day 2 - 4:00pm to 5:30pm	6C - Plaza 3	Timber Engineering (Topics in timber engineering)	Aurimas Bukauskas	Paul MAYENCOURT, Paul SHEPHERD, Caitlin MUELLER, Bhavna SHARMA, Pete WALKER, Julie BREGULLA	University of Bath, UK	Whole Timber Construction: The State of the Art	https://tinurl.com/vy4ctzpw
Day 3 - 10:50am to 12:40pm	7A - Plaza 1	Timber Engineering (codes and international practices for timber structures)	Lisa-Mareike Ottenhaus	Minghao Li	University of Canterbury	Nailed hold-downs in the context of timber strength classes proposed in the revision of NZS/AS1720.1	https://tinurl.com/v24vprv

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Day 3 - 10:50am to 12:40pm	7A - Plaza 1	Timber Engineering (codes and international practices for timber structures)	Craig Cowled	Keith Crews, Dave Gover	Queensland University of Technology	Australia Needs to Adopt a Standard Test Method for Determining Timber-Framed Shear Wall Capacity	https://tinyurl.com/y5fgzoio
Day 3 - 10:50am to 12:40pm	7A - Plaza 1	Timber Engineering (codes and international practices for timber structures)	Laurence Ritchie		WoodSolutions, Australia	New Cost Engineering Guide for Mid-rise Timber Construction	https://tinyurl.com/y65cebzn
Day 3 - 10:50am to 12:40pm	7A - Plaza 1	Timber Engineering (codes and international practices for timber structures)	Thuy Nguyen	Grace Ding, Rijun Shrestha, Keith Crews	University of Technology Sydney	Australian Construction Practitioner's Perception of Mass Timber Construction – The emerging challenges and strategies for further development	https://tinyurl.com/y3v8g3sx
Day 3 - 10:50am to 12:40pm	7A - Plaza 1	Timber Engineering (codes and international practices for timber structures)	Xiang Fu	Qu Z, Kishiki S, Cui Y	Tokyo Institute of Technology	Cyclic loading test of Chuandou timber frames with masonry infill for residential house in south China	https://tinyurl.com/y5l9p8ot
Day 3 - 10:50am to 12:40pm	7B - Plaza 2	Implementations (public interest and incentives)	Andrea Stocchero	D. Gaunt, E. MacRae	Scion, New Zealand	Sustainable wood for a sustainable future: design and construction contributing to the UN Sustainable Development Goals and climate change mitigation	NOT AVAILABLE
Day 3 - 10:50am to 12:40pm	7B - Plaza 2	Implementations (public interest and incentives)	Chao (Sally) Liang	Xin Zhou	Shanghai Real Estate Education Center	Lessons to Be Learned from Tourism Property Development	NOT AVAILABLE
Day 3 - 10:50am to 12:40pm	7B - Plaza 2	Implementations (public interest and incentives)	Andy Buchanan	Andrea Stocchero	University of Canterbury, Christchurch, New Zealand	Embodied carbon in timber buildings	NOT AVAILABLE
Day 3 - 10:50am to 12:40pm	7B - Plaza 2	Implementations (public interest and incentives)	Marcus Strang	Paola Leardini	University of Queensland	Hygrothermal Performance of Engineered Wood Multi-Story Buildings in Australian Tropical and Sub-Tropical Climates	https://tinyurl.com/wyx8o4aa
Day 3 - 10:50am to 12:40pm	7B - Plaza 2	Implementations (public interest and incentives)	Sanam Aghdamy	Craig J.L. Cowled, Sabrina Fawzia	Griffith University	Experimental Investigation on Long-term Axial Creep Performance of Pine, Spotted Gum and Laminated Veneer Lumber	https://tinyurl.com/y3fyt8na
Day 3 - 1:40pm to 3:40pm	8A - Plaza 1	Timber Engineering (innovative structural design and construction)	Alireza Chiniforush	Hamid Valipour, Ali Akbarnezhad, Mark Bradford	University of Sydney and University of NSW	Long-term Viscoelastic Creep of Steel-CLT Composite Beams	https://tinyurl.com/y4k2ty2v
Day 3 - 1:40pm to 3:40pm	8A - Plaza 1	Timber Engineering (innovative structural design and construction)	Shoichi NAKASHIMA	Norihito MIKI, Nobuhiko AKIYAMA, Yasuhiro ARAKI	Building Research Institute, JAPAN	Evaluation of Initial Stiffness and Yield Strength of CLT Drift Pinned Connection	https://tinyurl.com/y5cwwkrp
Day 3 - 1:40pm to 3:40pm	8A - Plaza 1	Timber Engineering (innovative structural design and construction)	Jussi Björman		METSÄ WOOD	Elements & Modules for fast construction	NOT AVAILABLE
Day 3 - 1:40pm to 3:40pm	8A - Plaza 1	Timber Engineering (innovative structural design and construction)	Sung-Jun Pang	Hyeon-Jeong Lee, Seung Min Yang, Seog Goo Kang, Jung-Kwon Oh, Hwanmyeong Yeo	Seoul National University, Republic of Korea	Shear resistance of Ply-lam composed with plywood and structural timber	https://tinyurl.com/y3pg5gwo

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Day/Time	Session/ Room	Category	Presenter/Author	Additional Authors	University / Company	Abstract Title	Abstract Link
Day 3 - 1:40pm to 3:40pm	8A - Plaza 1	Timber Engineering (innovative structural design and construction)	Takuro MORI	Masakazu Ikeda, Akihisa Kitamori, Hiroshi Isoda, Yasuhiro Araki, Yoichi Hayasaki	Hiroshima University, Japan	Study on creep behavior of Timber-Concrete Composite Floor	https://tinyurl.com/y6mqfp5m
Day 3 - 1:40pm to 3:40pm	8B - Plaza 2	Computer-based methods (modelling of structures)	Paolo Lavisci	Adam Jones	WoodSolutions, Australia	NEW TOOLS FOR EFFICIENT STRUCTURAL DESIGN OF MID-RISE TIMBER BUILDINGS	https://tinyurl.com/y4gjusox
Day 3 - 1:40pm to 3:40pm	8B - Plaza 2	Computer-based methods (modelling of structures)	Xavier Estrella	José L. Almazán, Pablo Guindos, Sardar Malek	Pontificia Universidad Católica de Chile, Chile	Modelling the cyclic response of strong light-frame walls in Latin America	https://tinyurl.com/y3kolw9c
Day 3 - 1:40pm to 3:40pm	8B - Plaza 2	Computer-based methods (modelling of structures)	Kotaro Sumida	Takafumi Nakagawa, Hiroshi Isoda	Kyoto University, Japan	Damage Assessment of Japanese Wooden Houses during Earthquakes by Using Seismic Simulation Program	https://tinyurl.com/y6zfi6xp
Day 3 - 1:40pm to 3:40pm	8B - Plaza 2	Computer-based methods (modelling of structures)	Kristopher Orlowski	Shanaka Kristombu Baduge, Priyan Mendis	The University of Melbourne	Analysis of web alterations in stressed-skin engineered timber flooring cassettes	https://tinyurl.com/y57vw76

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