



### **CATEGORY SPONSORS**



























- 3 WELCOME
- 4 KEYNOTE SPEAKER | DARYL PATTERSON
- 5 THE JUDGING PANEL

### **CATEGORY WINNERS & HIGHLY COMMENDED**

### 6 RESIDENTIAL ARCHITECTURAL EXCELLENCE

For the innovative use of timber, resulting in a distinctive visual impact on a residential building, either stand-alone or multi-unit/multi-storey project.

#### 10 COMMERCIAL ARCHITECTURAL EXCELLENCE

For the innovative use of timber resulting in a distinctive visual impact on a commercial, industrial, or public building environment.

### 13 ENGINEERING INNOVATION

For the innovative use of engineered timber, resulting in a distinctive technical/structural impact on a residential, commercial, industrial or public building environment.

### 17 EXCELLENCE IN ENGINEERED WOOD PRODUCTS

For the innovative use of EWP's, resulting in a distinctive impact of the EWP properties and/or aesthetics on a residential, commercial, industrial or public building environment.

#### 20 INTERIOR INNOVATION

For innovative use of wood or a wood panel product as a signature feature, in a predominantly wood building, adding ambience, flair and practicality.

### 24 EXTERIOR INNOVATION & INFRASTRUCTURE

For any wood or wood panel product that forms the exterior of or is an exterior structure, be it residential or non-residential which highlights the versatility and flexibility of wood while enhancing the structure's aesthetic.

### **26 NZ SPECIALITY TIMBER AWARD**

The use of specialty timber in a manner that best highlights its unique characteristics. This category was open to entries from across the spectrum of NZ grown timber usage from furniture to buildings, facilities to objet's d'art.

#### 29 NOVEL APPLICATION OF FIBRE AWARD

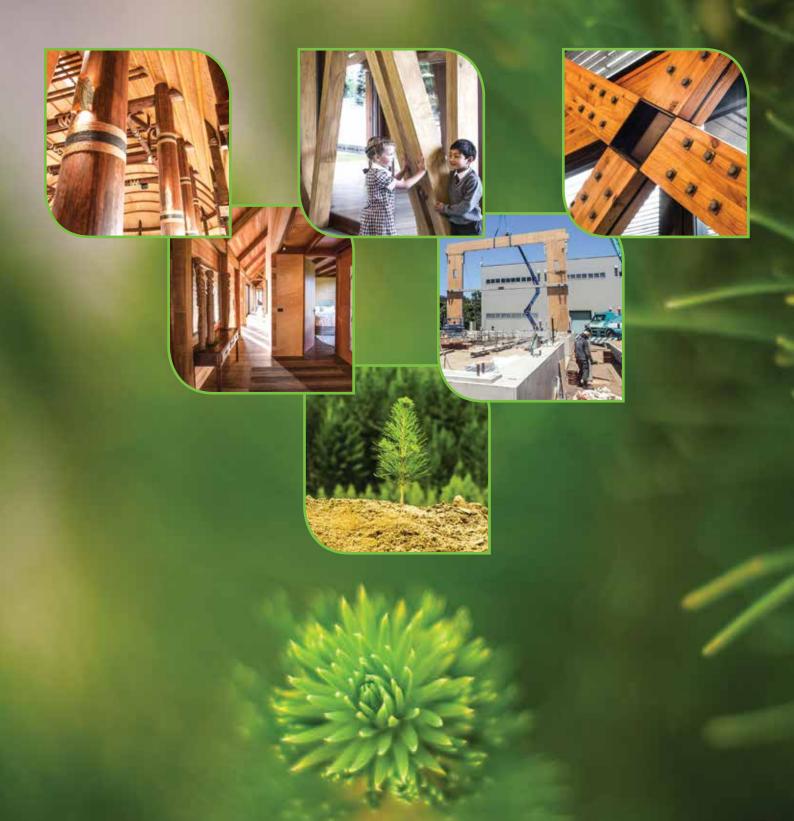
For using a new wood product or system which contributes to the use of wood fibre derived products in a manner that characterises its unique features via an innovative application of design, science or technology. This category was open to entries from any sector.

### 30 INNOVATION OF STUDENT DESIGN AWARD

The best three designs selected from each University, chosen from submitted work presented in their courses.

#### 32 RESENE OVERALL SUPREME AWARD

This award is the Judges' choice selected from all categories entered.





Celebrating the natural power of Wood

www.nzwood.co.nz





### Welcome message from the Chair of WPMA

# **Brian Stanley**



Welcome to the 2017 NZ Wood Resene Timber Design Awards. This prestigious design competition is celebrating its 42nd year and the NZ wood industry, through the Wood Processors and Manufacturers Association, is proud to be supporting the event. The NZ architectural, engineering and research communities continue to excel in wood-based innovation and 2017, we have, yet again, matched our record number of entries. If you want to view the entries and participants in the awards, and then please go to: www.nzwood.co.nz

Judging the entries this year are Michael Newcombe, (Timber Design Society Senior Structural Engineer), Pip Cheshire (Past President of NZIA), Duncan Joiner (Chief Architect for Ministry of Building, Innovation and Employment) and Doug Gaunt (Scion). They had the challenging task of assessing winners and highly commended entries over nine award categories; Residential Architecture Excellence, Commercial Architecture Excellence, Engineering Innovation, Excellence in Engineered Wood Products, Interior Innovation, Exterior Innovation & Infrastructure, NZ Speciality Timber Award, Novel Application of Fibre Award, Innovation of Student Design Award (new category) and Resene Overall Supreme Award.

Spanning these categories were a multitude of entries, including; furniture, commercial buildings, school, engineered wood buildings, retail building, bachs, landscape infrastructure, residential homes, laboratory, cultural centre, students concept drawings, a lodge and essential oils made from pine trees!

The projects displayed in this booklet highlight the capability and skills of those individuals and companies who have taken the step to participate and have their work independently evaluated. There has been hot competition again this year and the awards have attracted entries from those who deserve to stand out.

In the past months we have been reminded that we live and work in a very hazardous natural environment. Whilst the recent Kaikoura Earthquake was devastating it did provide a real demonstration of how advances in wood processing technology and innovation in timber building design have given us structures that are highly resilient in earthquakes.

Not only are modern timber buildings safe, they also make good economic sense. Our guest speaker at the Gala Awards this year, Daryl Patterson, highlights why a major property developer, LendLease, is leading the world in the construction of medium and high-rise wooden buildings.

Our 2017 award winners show that there are clearly many other good reasons to harness the "natural power" of wood.

This book of winners and finalists is provided via NZ Wood the industry-funded promotional body of the Wood Council of New Zealand. Thank you to all the funders for their commitment and support in making this booklet and the NZ Wood Resene Timber Design Awards 2017 possible.



**Brian Stanley** Chair of Wood Processors & Manufacturers' Association





DARYL PATTERSON **Head of Operational** Excellence, Property, Lendlease

Lendlease is one of the world's largest property development, construction and infrastructure companies. Head guartered in Sydney the groups interests span across multiple market sectors including urban regeneration, retail, healthcare, retirement, military housing and engineering.

In a career with Lendlease spanning more than 20 years Daryl Patterson has worked in a number of core areas of the Lendlease business.

A graduate of the University of Auckland's School of Architecture Daryl initially joined Lendlease in its construction business in New Zealand. During his time with the corporation Daryl's experience has ranged across project management and design management, development management and business leadership. He has spent many years involved in the creation of large scale mixed-use projects with a strong focus on multi-storey residential markets.

Project responsibilities have included multi-billion dollar long-term projects such as Jacksons Landing in Sydney, Victoria Harbour in Melbourne and the RNA Showgrounds in Brisbane.

In the last decade Daryl has been instrumental in creating internal start-up businesses that are now established profit generators for Lendlease. These include the Australian Apartments business, the Living Utilities business and the Design Make digital fabrication business. Key achievements have included the introduction of cross laminated timber to the Australian market with projects like Forte, then the worlds tallest CLT building and Library at the Dock. He has also supported deployment of CLT in the UK and the US where Lendlease has delivered the largest engineered timber projects to date in each of those markets.

More recently Daryl has headed a key function for the Australian Property business, promoting innovation, technology and operational excellence. In this role he is responsible for research and engagement with industry and strategic partners and supports the internal investment in and nurturing of innovation initiatives.

At a personal level Daryl is passionate about improving the industry through emerging technology and in particular how this might benefit the provision of better, more affordable housing. To that end his activities stretch from tall timber buildings at one end of the spectrum to tiny houses at the other.





### MICHAEL NEWCOMBE PhD, MSc, BE(Hons)

#### General Manager, Auckland, Senior Structural Engineer

Dr Michael Newcombe - BE Civil (Hons), MSc, PhD, CPEng - is a Director and Senior Structural Engineer at Enovate Consultants and has a masters from the European School for Earthquake Engineering and a Doctorate in the design of multistorey timber buildings. His recent professional experience includes over two years as general manager of an Aucklandbased structural engineering office, designing and reviewing numerous residential, industrial and commercial structures.



### PIP CHESHIRE B.A. B. Arch.

#### **Principal, Cheshire Architects**

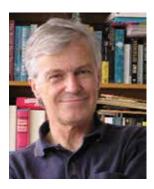
Architect Pip Cheshire is a fellow of the New Zealand Institute of Architects, a member of the Auckland City Council Urban Design Panel, and Green Star Accredited Professional. He is the founding principal of Cheshire Architects Ltd (2004), a move that followed 13 years with Jasmax as a director and, later, managing director.



### **DUNCAN JOINER PhD (London) B.Arch(Hons) FNZIA RIBA LDINZ**

#### Chief Architect, Department of Building and Housing. (MBIE)

Dr Duncan Joiner, Chief Architect with the Ministry of Business, Innovation and Employment, has experience in architectural practice, research and education. He holds a PhD from London University, is a fellow of the NZIA and a life member of the Designers Institute of New Zealand (DINZ).



#### **DOUG GAUNT**

The Novel Application of Fibre Award will be judged by Doug Gaunt, a civil engineer with extensive research experience. Gaunt is Science Leader, Wood and Fibre at Scion in Rotorua. He specialises in all aspects of timber engineering and leads research into new timber products and systems.



This book of winners and finalists has been compiled via edited versions of information supplied by entrants. Every effort has been made to ensure accuracy despite the space limitations.

The full verison of design statements are available on the NZ Wood website.

Please contact timberdesignawards@nzwood.co.nz if you have any queries or concerns about information contained in this

# RESIDENTIAL ARCHITECTURAL EXCELLENCE



## ★ WINNER | **POINT WELLS GABLES**

**Point Wells Architect: Paterson Architecture Collective Steven Lloyd Architecture Glamuzina Architects** www.p-a-c.nz + www.stevenlloydarchitecture.co.nz The use of traditional timber technologies highly manipulated and carefully detailed to achieve high emotional appeal.





## HIGHLY COMMENDED | TOREA STUDIO

Mapua, Nelson

**Architect: Tennent Brown, Dunning Thorton,** Inch Building, Wraight + Assoc. Landscape

XLam, Angus Muir Design. **Photos: Paul McCredie** www.tennentbrown.co.nz CNC machined CLT wall and roof panels used to generate an energetic and lively form.





Residential Architecural Excellence Category Sponsored by:



www.chhwoodproducts.co.nz

# RESIDENTIAL ARCHITECTURAL EXCELLENCE



## HIGHLY COMMENDED | PAK2

Pakiri Architect: Box™, Auckland **Photos: Sophie Heyworth** www.box.co.nz

Simple pavilion form made totally out of timber. The extensive use of timber is reflexed in cabinetry, linings and breezeway screens.







## **FINALISTS**



**Salisbury St Townhouses** Architect: Warren & Mahoney Architects Ltd

**Bradnor Road** Architect: Cymon Allfrey Architects Ltd



Langs Bach Architect: ARK

# COMMERCIAL ARCHITECTURAL EXCELLENCE



## **★ WINNER | CATHEDRAL GRAMMAR JUNIOR SCHOOL**

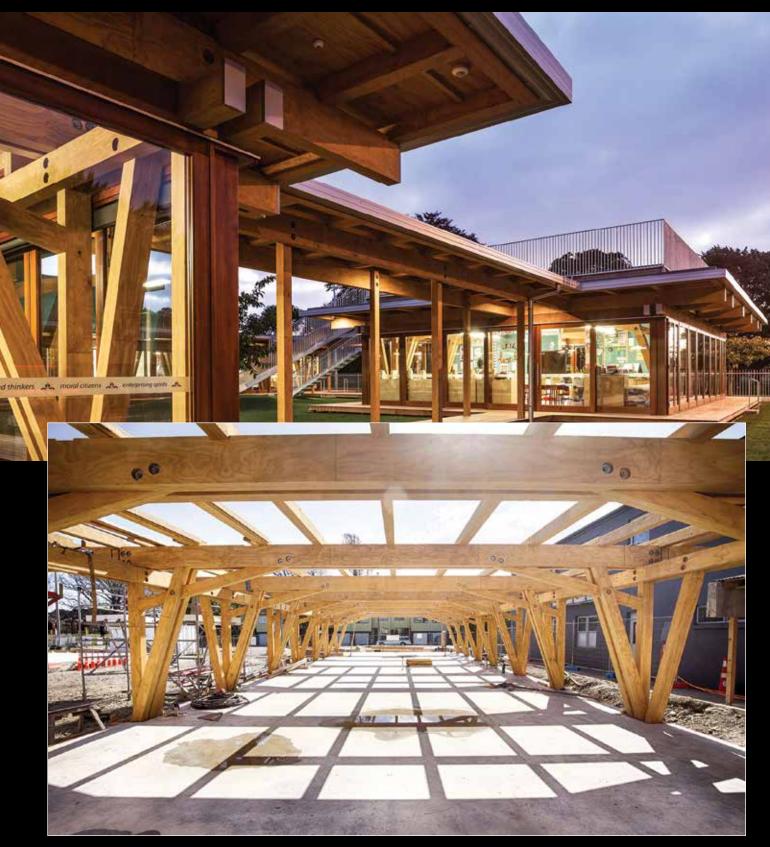
Christchurch

Architect: Ruamoko Solutions + Andrew Barrie Lab. + Tezuka Architects + Ohno Japan & Contract Construction. **Photos: Patrick Reynolds** www.ruamoko.co.nz

craft an integrated spatial and structural delights for the young occupants. This project has demanded an integrated design and fabrication

Outstanding BIM modelling and CNC machining is used to

process; from conceptual design, engineering, modelling, high tolerance machining and well considered construction.





## HIGHLY COMMENDED | SPRINGFIELD ROAD

Christchurch **Architect: RM Designs Photos: Hedwig Photography** www.rmdesigns.co.nz

Clearly composed assembly of CLT panels is used to create a building that creates a building to fits easily into its' residential context and provides attractive working spaces. Well thought out detailing and connections between elements.









Commercial Architecural Excellence Category Sponsored by:



www.timberlab.co.nz

# COMMERCIAL ARCHITECTURAL EXCELLENCE

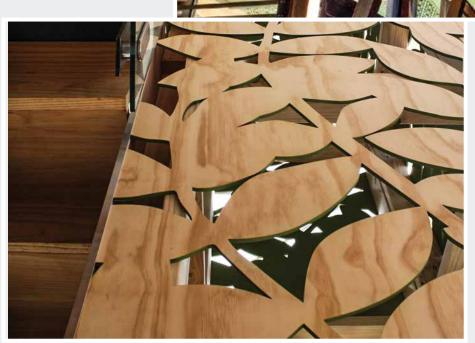


## **FINALISTS**



**Upper Hutt Railway Station** Architect: Studio Design + Architecture Ltd & Aurecon

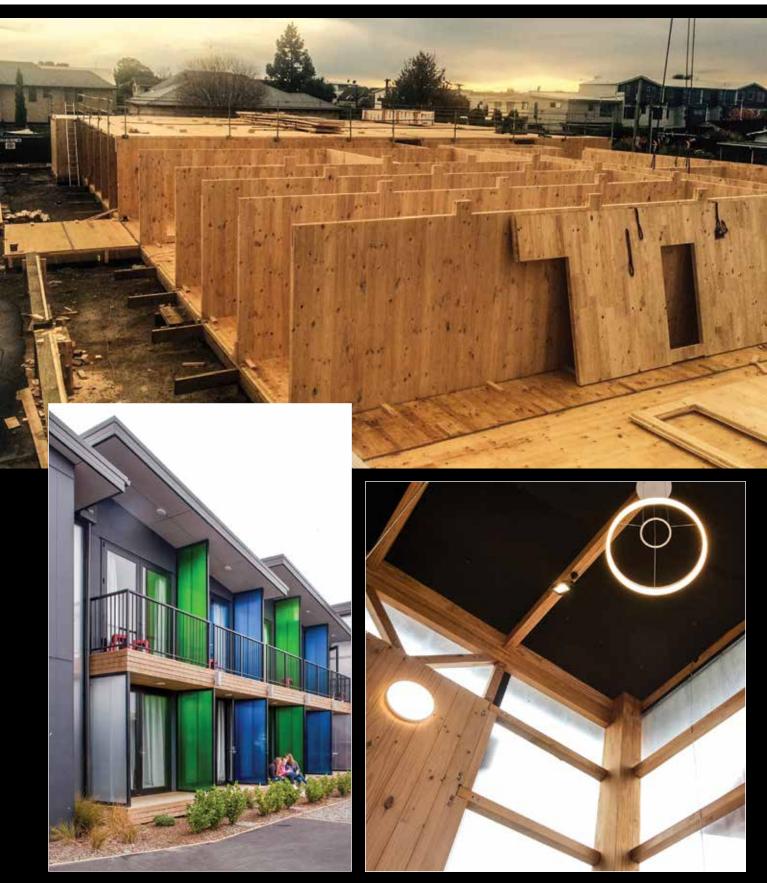
Papanui Club Architect: RM Designs



PIKO Wholefoods Architect: Solar Architecture

## ★ WINNER | **BEALEY AVE LODGE**

Christchurch **Architect: RM Designs Photos: Hedwig Photography** www.ruamoko.co.nz + www.rmdesigns.co.nz The first large-scale commercial application of CLT in the New Zealand. Ground breaking in terms of the application of solid timber, structural engineering, compliance with the New Zealand Building code and construction practices.







HIGHLY COMMENDED | CATHEDRAL GRAMMAR JUNIOR SCHOOL

Christchurch

Architect: Ruamoko Solutions + Andrew Barrie Lab. + Tezuka Architects + Ohno Japan & Contract Construction.

**Photos: Patrick Reynolds** www.ruamoko.co.nz

Structural tour de force is used to create an enchanting learning environment.





## HIGHLY COMMENDED | FIRE LABORATORY

Japan Architect: PTL | Structural Timber Consultants Photos: Sumitomo Forestry Co. Ltd www.ptlnz.com Rocking frame post-tensioned timber technology has developed in New Zealand to such superb standards as to be accepted by Japanese Government.





Engineering Innovation Category Sponsored by:



www.timberdesign.org.nz

# ENGINEERING INNOVATION



## **FINALISTS**



**Nelson College Commerce** 

Architect: Jerram Tocher Barron Architects

Kopupaka Reserve Architect: Isthmus Group Ltd



The Government of Samoa Fale Architect: Walker Community Architects Ltd

# EXCELLENCE IN ENGINEERED WOOD PRODUCTS



## **★ WINNER | TOREA STUDIO**

Mapua, Nelson

**Architect: Tennent Brown, Dunning Thorton,** Inch Building, Wraight + Assoc. Landscape

XLam, Angus Muir Design. **Photos: Paul McCredie** www.tennentbrown.co.nz The use of CNC machined asymmetrical panels creates a distinctive and enclosing form. The continuous weathering skin (roof and walls) allows the CLT panels to create a warm inviting interior and creates sheltered outdoor space.





## HIGHLY COMMENDED | FIRE LABORATORY

Japan **Architect: PTL | Structural Timber Consultants Photos: Sumitomo Forestry Co. Ltd** www.ptlnz.com

Natural colour of the timber contracts against the monochromatic colouring of the building enclosure allowing the structural framing to seen to great effect. The structure makes a statement that solid timber is fire and earthquake resilient.





Excellence in Engineered Wood Category Sponsored by:





www.xlam.co.nz

www.nelsonpine.co.nz



## **FINALISTS**



**Nelson College Commerce Centre** Architect: Jerram Tocher Barron Architects



**Upper Hutt Railway Station** Architect: Studio Design + Architecture Ltd & Aurecon



**Bealey Lodge** Architect: RM Designs



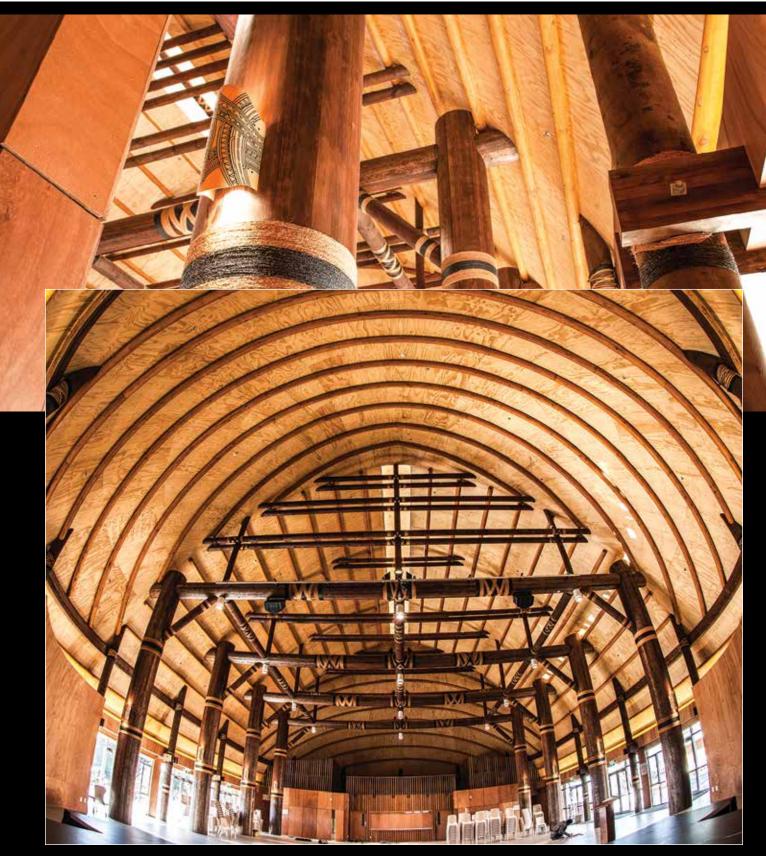
**White Hart Old Hotel** Architect: Bonnifait + Giesen Atelier Workshop



## **★ WINNER | THE GOVERNMENT OF SAMOA FALE**

Mangere, Auckland **Architect: Walker Community Architects Ltd** www.walkergrouparchitects.com

Traditional ways for building have been scaled-up to make a large community space while maintaining the sense of enclosure and richness derived from shaped and honed timbers and traditional bound joints (termed afa). Of particular note are the elegant curved glulam and lathed primary timber rafters.



## HIGHLY COMMENDED | POINT WELLS GABLES

**Point Wells Architect: Paterson Architecture Collective Steven Lloyd Architecture Glamuzina Architects** www.p-a-c.nz + www.stevenlloydarchitecture.co.nz

Seamless use of structure, linings and cabinetry using a wellconceived mixture of timber species, solid, sawn and polished finishes.





Interior Innovation Category Sponsored by:



www.smartclad.co.nz



## HIGHLY COMMENDED | PIKO WHOLEFOODS

Christchurch **Architect: Solarchitects Ltd Photos: Dennis Radermacher** www.solarchitect.co.nz

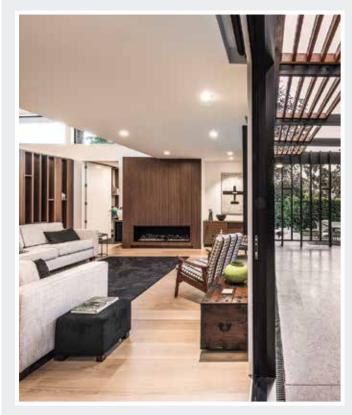
Fine internal detailing is used to give character and identity to Christchurch retail icon.



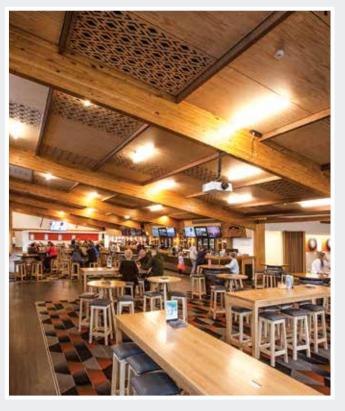




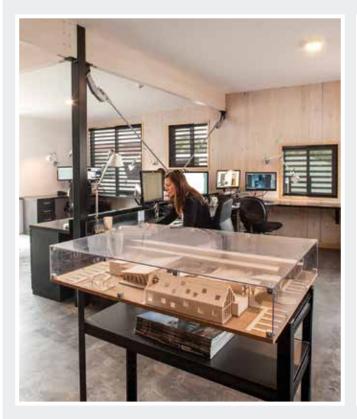
## FINALISTS



**Bradnor Road** Architect: Cymon Allfrey Architects Ltd



Papanui Club Architect: RM Designs



**Springfield Road**Architect: RM Designs



**Langs Bach** Architect: ARK

# EXTERIOR INNOVATION & INFRASTRUCTURE



## ★ WINNER | **KOPUPAKA PARK**

**West Auckland Architect: Isthmus Group Ltd** www.isthmus.co.nz

Delightfully simple timber crib walling system used to create extensive and organically shaped installation in a urban fringe landscape. The designers should be given kudos for thinking outside the box for infrastructure projects.



Exterior Innovation & Infrastructure Category Sponsored by:



www.taranakipine.co.nz



## **FINALISTS**



**Riwaka Farm Building** Architect: Art + Architecture Ltd



The Dylan Architect: Paul Brown Architects



**Eastern Light House** Architect: South Pacific Architecture



**Balsom Residence** Architect: HAMR Homes



**Herbetville Bach** Architect: Holmes Architecture

# NZ SPECIALITY TIMBER AWARD

## ★ WINNER | LANGS DOORS

Langs Beach, Northland Architect: ARK **Photos: Simon Devitt** www.arkworks.co.nz

CNC texturing, distressing and coatings are applied to enhance the natural beauty of native timbers and include references to intertidal sand patterning and pre-existing bungalow paint scheme.







## HIGHLY COMMENDED | THE VESSEL

**Auckland Architect: ARK Photos: Simon Devitt** www.arkworks.co.nz

A beautifully made object composed of recycled timber formed into a number of elements that may be used individually or together creating a surprising and enchanting tableau.









NZ Speciality Timber Award Sponsored by:



www.nzffa.org.nz



## **FINALISTS**



**Summerhill Entry Shelter** Architect: Timothy Walton



Cascade long line sideboard Architect: Carlton Pezaro Ltd



**Balsom** Residence Architect: HAMR Homes



**HALO Furniture System** Architect: New Zealand Projects International



**Vodafone Building** Architect: Abodo & Jasmax



## ★ WINNER | ESSENTIAL OILS FROM PINES - FOREST PLUS

Mosgiel ForestPlus Oils Ltd **Photos: Paul Greaves** 

There is truly more than wood in trees, this entry takes an extremely small volume of the tree and has turned it into an extremely valuable product that is highly sort after in the US. Products like this can change the economics and how we grow trees, could we grow a short rotation oil/chemical producing crop.

ForestPlus Oil in many ways is another Kiwi can do success, solving a waste problem, design and building a plant, securing a market and making it all work. With this thinking what else is possible from our trees.



Novel Application of Fibre Award Sponsored by:



www.scionresearch.com

# INNOVATION OF STUDENT DESIGN AWARD



## \* WINNER | MARKING THE JOURNEY OF TATAU

Amanda Wijaya Auckland

Close examination of the ceremony of Tatau has generated a progression through a building which may be likened to the three stages Tatau; the stretching, the tattooing and the transitioning to adulthood. The spatial experience is enhanced by the louvered and coffered, rafters, ceiling and panels.







## **★ WINNER | MULTIFUNCTION: PAVILION**

**Louie Tong** Auckland

Rigorous mathematical and geometrical analysis has informed a student design and build project at Henderson High School. This project can be seen to be a deliberate provocation to engage students' imagination in mathematics, materials and construction.







Innovation of Student Design Award Sponsored by:







## **★ WINNER | CATHEDRAL GRAMMAR JUNIOR SCHOOL**

Christchurch

Architect: Ruamoko Solutions + Andrew Barrie Lab. + Tezuka Architects + Ohno Japan & Contract Construction. **Photos: Patrick Reynolds** www.ruamoko.co.nz

Cathedral Grammar stands out as an example of what can be achieved with effective collaboration and innovation in timber design, fabrication and construction. The expression of the structural timber frames at a human-scale in inviting and promotes a tactile response from young occupants





## HIGHLY COMMENDED | POINT WELLS

**Point Wells Architect: Paterson Architecture Collective Steven Lloyd Architecture Glamuzina Architects** www.p-a-c.nz + www.stevenlloydarchitecture.co.nz

ArchitectsAn unabridged example of what can be achieved with timber structure, linings and finishes constructed from a broad mixture of timber species, textures and forms to create a warm and inviting home.







Resene Overall Supreme Award Sponsored by:



www.resene.co.nz



#### **Category 1 - Residential Architectural Excellence** Page

6	Winner	Point Wells Gables	Paterson Architecture Collective, Steven Lloyd Architecture, Glamuzina Architects
7	Highly Commended	Torea Studio	Tennent Brown Architecture, Dunning Thornton Engineers, Inch Building, Wraight + Assoc. Landscapes, Xlam & Angus Muir Design
8	Highly Commended	PAK2	Box Living
9	Finalist	Salisbury St Townhouses	Warren & Mahoney Architects Ltd
9	Finalist	Bradnor Road	Cymon Allfrey Architects Ltd
9	Finalist	Langs Bach	ARK

### **Category 2 - Commercial Architectural Excellence**

10	Winner	Cathedral Grammar Junior School	Ruamoko Solutions, Andrew Barrie Lab. + Tezuka Architects +Ohno Japan & Contract Construction
11	Highly Commended	Springfield Road	RM Designs
12	Finalist	Upper Hutt Railway Station	Studio Design + Architecture Ltd & Aurecon
12	Finalist	Papanui Club	RM Designs
12	Finalist	PIKO Wholefoods	Solar Architecture

### **Category 3 - Engineering Innovation**

13	Winner	Bealey Lodge	RM Designs
14	Highly Commended	Cathedral Grammar Junior School	Ruamoko Solutions, Andrew Barrie Lab. + Tezuka Architects +Ohno Japan & Contract Construction
15	Highly Commended	Fire Laboratory	PTL / Structural Timber Consultants
16	Finalist	Nelson College Commerce Centre	Jerram Tocher Barron Architects
16	Finalist	Kopupaka Reserve	Isthmus Group Ltd
16	Finalist	The Government of Samoa Fale	Walker Community Architects Ltd

### **Category 4 - Excellence in Engineered Wood Products**

17	Winner	Torea Studio	Tennent Brown Architecture, Dunning Thornton Engineers, Inch Building, Wraight + Assoc. Landscapes, Xlam & Angus Muir Design
18	Highly Commended	Fire Laboratory	PTL / Structural Timber Consultants
19	Finalist	Nelson College Commerce Centre	Jerram Tocher Barron Architects
19	Finalist	Upper Hutt Railway Station	Studio Design + Architecture Ltd & Aurecon
19	Finalist	Bealey Lodge	RM Designs
19	Finalist	White Hart Old Hotel	Bonnifait + Giesen Atelier Workshop

### **Category 5 - Interior Innovation**

20	Winner	The Government of Samoa Fale	Walker Community Archtiects Ltd
21	Highly Commended	Point Wells Gables	Paterson Architecture Collective, Steven Lloyd Architecture, Glamuzina Architects
22	Highly Commended	PIKO Wholefoods	Solar Architecture
23	Finalist	Bradnor Road	Cymon Allfrey Architects Ltd
23	Finalist	Papanui Club	RM Designs
23	Finalist	Springfield Road	RM Designs
23	Finalist	Langs Doors	ARK

#### Category 6 - Exterior Innovation & Infrastructure Page

24	Winner	Kopupaka Park	Isthmus Group Ltd
25	Finalist	Riwaka Farm Building	Art + Architecture Ltd
25	Finalist	Balsom Residence	HAMR Homes
25	Finalist	Eastern Light House	South Pacific Architecture
25	Finalist	Herbetville Bach	Holmes Architecture
25	Finalist	The Dylan	Paul Brown Architects

### **Category 7 - NZ Specialty Timber Award**

26	Winner	Langs Doors	ARK
27	Highly Commended	The Vessel	ARK
28	Finalist	Summerhill Entry Shelter	Timothy Walton
28	Finalist	Cascade long line sideboard	Carlton Pezaro Ltd
28	Finalist	HALO Furniture System	New Zealand Projects International
28	Finalist	Balsom Residence	HAMR Home
28	Finalist	Vodafone Building	Abodo & Jasmax

### **Category 8 - Novel Application of Fibre Award**

29 Winner	Essential Oil from Pines	ForestPlus Oils Ltd	
	Category 9 - Innovation of Student Award		
30 Winner	Marking the Journey of Tatau	Amanda Wijaya	
31 Winner	<b>Multifunction Pavillion</b>	Louie Tong	

### **Category 10 - Resene Overall Supreme Award**

32	Winner	Cathedral Grammar Junior School	Ruamoko Solutions, Andrew Barrie Lab. + Tezuka Architects +Ohno Japan & Contract Construction
33	Highly Commended	Point Wells Gables	Paterson Architecture Collective, Steven Lloyd Architecture, Glamuzina Architects



