

## December 2017

## FROM THE CHAPTER CHAIRPERSON

Hi Everyone



Greg Williams  
Chapter President

Here we are on the run in to Christmas and my final IES duty of the year is to wrap up the Awards Dinner for 2017, I had a fantastic time and I hope you did as well. Congratulations to all involved with the 23 projects submitted, a massive increase over last year and of course special congratulations to the Excellence and Highly Commended awardees. Congratulations and thanks also to the sub committee who organised a fantastic night, and a heartfelt thanks to all the companies that supported the event, who are detailed in the awards section, and I'd like to let you know that your sponsorship will allow the NZ Chapter to fund numerous activities throughout the remainder of the financial year. If you are able to assist with ideas for generating Technical Events in the new year please contact Michael Warwick by email at [nzevents@iesanz.org](mailto:nzevents@iesanz.org).

Following on from the Awards night, Tracy Bronlund and I were able to meet with David Barrett today and hand over his award of recognition for his years of service to the NZ Chapter in both CMC and IESANZ Board roles. Once again a huge thank you to David for his years of service to the industry. I am looking forward to a great year for the IES NZ Chapter in 2018 and wish all our members and families a safe and wonderful Christmas and a happy new year.

## NOTES FROM THE EDITOR

Welcome to the December edition of Varda.

The IES Design Awards Dinner has been held for another year and what a great night it was bringing our industry together like no other event. Its now time to celebrate all the entrants, the Commended, and of course the Excellence achievers. Read on for confirmation of the awardees and see if you have appeared in "Out and About", a selection of some of the beautiful people that attended the night.

In October and November I was lucky enough to attend the Hong Kong Lighting fair on an annual trip around Asia. It was interesting to note that many in the industry showing at the fair believe LED pricing is near the bottom of it's price cycle and in fact some components including packaging are facing increases. There is still a narrowing of the gap between Asian and European products, in quality the Asian produced product is catching up and in price the European products are becoming more attractive. LED luminaires are truly a global market.

I hope you enjoy this edition of Varda, and best wishes for the Christmas Season.

Stephen



Stephen Collard  
Editor

### **In This Issue...**

**Chapter President News**

**Notes from the Editor**

**Education Reports**

**Awards Dinner**

**Out and About**

**EECA Update**

**2018 Committee**



# EDUCATION REPORT

## IESANZ New Zealand Chapter

Susan Mander

2017 has been an excellent year for lighting education in New Zealand. We've seen another successful year of the IESANZ-accredited lighting course at Massey University, plus the well-attended Healthy Lighting Symposium and an IESANZ-run short course (see Susan Walls' article on the next page). Thanks to all of you who participated – whether attending lectures as a student, joining conversations at the symposium, teaching specialist lectures or hosting a site visit... we really do appreciate all of your contributions.

The 2017 academic year has now drawn to a close at Massey, and we look forward to welcoming a new group of students in 2018. Enrolments are open, and are capped at 25 students per year group. Please see enrollment information below.

For those who are long past their student days... it would be great if you could find an hour or two of your time to give back to the lighting community at Massey. Our students always appreciate hearing nuggets of wisdom from the industry. Please contact me if you're keen to participate.

Wishing you all a wonderful Christmas

Susan Mander

### School of Engineering and Advanced Technology, Graduate Certificate in Science and Technology (Lighting) 2018 Enrolment Guidelines

Go to

[https://www.massey.ac.nz/massey/learning/programme-course/programme.cfm?prog\\_id=93287&major\\_code=&study\\_year=2018](https://www.massey.ac.nz/massey/learning/programme-course/programme.cfm?prog_id=93287&major_code=&study_year=2018)

2018	Semester one full semester	Distance	<b>Graduate Certificate in Science and Technology (Lighting)</b>
2018	Semester one full semester	Auckland Campus	

then click on "Apply Now"

Select 2018 Semester one full semester, Distance, Graduate Certificate in Science and Technology(Lighting) Follow instructions.

For **new** students enrolling for Year 1:

- The Year 1 courses (papers) are 218.741 and 218.742
- The course (paper) details are:

Course Title	Course Number	Semester	Location
Light and Lighting	218.741	S1FS	DISD
Lamps and Luminaires	218.742	S2FS	DISD

For students **returning** for Year 2:

- The Year 2 courses (papers) are 218.743 and 218.744
- The course (paper) details are:

Course Title	Course Number	Semester	Location
Interior Lighting Design	218.743	S1FS	DISD
Energy Efficiency and Exterior Lighting	218.744	S2FS	DISD

**Continued next page**

# EDUCATION REPORT

**Caution:**

***The enrolment must be made by the intending student. In the past there have been people who have missed out because they thought their employer was enrolling them. The enrolment is between the student and the university. The employer may be paying the fee but they cannot do the enrolment.***

Enrolments are now open. See the following link for deadlines:

<http://www.massey.ac.nz/massey/admission/enrolment/dates/2018/2018.cfm>

For further information contact:

Susan Mander, Programme coordinator & lecturer (s.mander@massey.ac.nz; 09 414 0800 extn 43328) for queries specific to the lighting programme;

Massey University's Contact Centre (0800 MASSEY) for enrolment queries

## **IESANZ's "Introduction to Light" Course Auckland**

**By Susan Wall IESANZ Education Coordinator Australia**

IESANZ Education was pleased to deliver their new updated 2-day **Introduction to Light** Course in Auckland on the 18th and 19th October. This course is aimed towards providing introductory lighting concepts to those who are new to the lighting industry, to enable them to understand these concepts and communicate with others in the industry.

**Nine participants** took part in this new updated course in Auckland (which replaces the 3 day Introduction to Lighting Course) which was also rolled out in later part of 2017 in Australia, with excellent support and feedback. This course was delivered by the IESANZ'S Facilitator, David Boyd from Sydney. David is a business professional with significant experience in the lighting industry, specialty areas being Learning and Development and Sustainability.

The IESANZ is pleased and excited to offer an extension to the Introductory Course which will be more specific to Lighting Design. This course will also run for 2 days by late March 2018 and will be known as **Basics of Lighting Design**.

The topics covered on this new course will include:

**Day 1**

Tasks and Australian/NZ Standards/Decorative design, Luminaire selection, Maintenance – AS1680.4, Light Sources, Photometric Files

**Day 2**

Room Properties, Measurement Planes, Gross error checking, Lighting design software

**Course Description**

This course is designed to expand on your knowledge of light and teach you about the basics of its designed application. We would expect participants to walk away from this course with the ability to talk to a lighting designer with a good basis of lighting design knowledge or take on further study and reading to complete lighting designs.

This is not a lighting design software course and although we will provide brief introductions to the 3 most popular lighting design software programs, it is not designed to replace software specific training.

Further reading will be required for an in-depth knowledge of the relevant Australia and New Zealand Standards.

For these two courses please visit the website for updates [www.iesanz.org](http://www.iesanz.org), or contact Course Coordinator directly, Susan Wall at [susan.wall@iesanz.org](mailto:susan.wall@iesanz.org) or the IESANZ Secretariat at [secretariat@iesanz.org](mailto:secretariat@iesanz.org) to register your interest in sending a staff member to our courses.

Please note that this course does not contribute to an IES Tech grading and can not be cross credited to any Massey papers.

# COMMUNICATION UPDATE



Hi All

Kate here with my first website and communications update.

Check out the new and improved IESANZ website, this updated user interface provides easy navigation.

Are you receiving IESANZ weekly bulletins and NZ Chapter emails? Make sure your email address is current by logging onto the website and updating your profile details.

<https://www.iesanz.org/>

Subscribe to our You Tube channel to access the IESANZ Technical Lighting Channel featuring Technical Events presentations from round the Chapters. Topics presented in 2017 include AS/NZS 1680.4 LED Maintenance Factors, AS/NZ2293 draft Emergency Lighting, IoT (Internet of Things) & Application to Lighting, Photometric files and their proper creation and use.

Stay up-to-date with the Lighting Society news and events by following us on LinkedIn, Facebook, Twitter.

Links

<https://www.linkedin.com/company/iesanz---the-lighting-society/>

<https://www.facebook.com/IES-Aust-NZ-New-Zealand-Chapter-The-Lighting-Society-535057080012482/>

[https://twitter.com/IES\\_ANZ](https://twitter.com/IES_ANZ)

<https://www.youtube.com/channel/UC29AMC22FZWpvURaMnRQI5g>

Merry Christmas and Happy New Year

Kate Conway

# AWARDS PROGRAM 2017

## THANK YOU SPONSORS



2017 Saw 23 entries – over 100% increase on 2016, a wonderful effort from Tracy Bronlund, awards convener, and all concerned.

### JUDGING PANEL 2017:-

Greg Williams(Chair)	- Beca
Laurie Cook	- Beca
Susan Mander	- Massey University
Kane Buckley	- Fagerhult
Domenico De Vincentis	- Stephenson & Turner
Tony Tavita	- HPM Legrand
David Britten – Dark Sky Judge	- Royal Astronomical Society of New Zealand

### 2017 AWARDS RECIPIENTS:-

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> Excellence Lighting Design Award
PROJECT NAME	National Library of New Zealand - He Tohu Document Room – He Whakapapa Kōrero
PROJECT ADDRESS	Wellington
AWARDEES	Peter Mitchell, Whare Timu, Evzen Novak, Lisa Webb, James McLean, Sean Cannon, James Chrystall (Studio Pacific Architecture, Story Inc, eCubed)
Please list any others who should receive credit	Architect – Studio Pacific Architecture Interior Designer - Studio Pacific Architecture (Exhibition Designer – Story Inc) Engineers - eCubed
DESIGNER'S STATEMENT Including project description	<p>The brief for He Tohu was deceptively simple: to display, preserve and interpret New Zealand's most precious and delicate documents. A project of national significance, lighting was always going to be a crucial part of it.</p> <p>The documents (1835 He Whakaputanga o te Rangitiratanga o Nu Tireni – Declaration of Independence of the United Tribes of New Zealand; 1840 Te Tiriti o Waitangi – Treaty of Waitangi, 1893 Women's Suffrage Petition – Te Petihana Whakamana Pōti Wahine) are priceless national treasures. He Tohu aims to bring them alive for future generations and enhance learning opportunities about the historical, constitutional and cultural significance of the documents for young New Zealanders.</p> <p>All three documents are highly sensitive to light, bad lighting could irreparably fade and damage them.</p> <p>The solution has provided an effect that creates a powerful visitor experience where space and lighting combine to focus the visitor's attention on the documents and the signatures that have shaped New Zealand.</p>
Judges' Comments	A very clever and sympathetic design. The designer has achieved a perfect balance between technical concerns, heritage preservation and comfortable visual experience. Simply brilliant!
Luminaire manufacturers	Luxfam, Roblon Fibre Optic Lighting, Aldabra Srl, KKDC, ECC, Henry Services/Fletcher Construction

# AWARDS PROGRAM 2017

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Excellence</b> Lighting Design Award
PROJECT NAME	Museum of NZ – Te Papa Tongarewa - Temporary Touring Exhibition
PROJECT ADDRESS	Wellington
AWARDEES	Marc Simpson (Toulouse Ltd)
DESIGNER'S STATEMENT Including project description	<p>The brief was to create a world class, unique touring experience not previously seen in the Museum industry. The aim was to inspire visitors to deepen and challenge their understanding of the world we share with bugs.</p> <p>The lighting designers collaborated with the Te Papa in-house design team and Weta Workshop creative team led by Sir Richard Taylor.</p> <p>The lighting design supports and enhances the visitor's journey through each of the hero bug stories and through the supporting interpretive material and the hands-on interactive lab tables. Four large-scale domed spaces housed oversized models, each telling a key story of how bugs have adapted to and ruled their own worlds. The four domes are integral to the overall story and each is heavily themed with lighting design at their core. Without lighting the space would be just interesting, however with theatrical lighting it becomes magical and immersive. The client is thrilled with the final result.</p>
Judges' Comments	A visual treat for the eyes. A challenging brief to deliver a lighting display that can be transported for global touring. The design enhances the visitor's journey through each of the hero bug stories and has been achieved through careful luminaire selection and placement.
Luminaire manufacturers	Philips Selecon, Task Lighting, Aesthetics, Acme, Show Technology, Meanwell, CueServer

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Excellence</b> Lighting Design Award
PROJECT NAME	Bishop Selwyn Chapel - Chapel Interior
PROJECT ADDRESS	Auckland
AWARDEES	Richard Bracebridge (Light Works Ltd)
Please list any others who should receive credit	<p>Architects – Fearon Hay Architects</p> <p>Electrical Design &amp; Installation - Aseco</p>
DESIGNER'S STATEMENT Including project description	<p>The Bishop Selwyn Chapel is a new addition to the existing Cathedral in Parnell. As well as its use as a conventional chapel it is also a multi-functional space. The Fearon Hay designed chapel adjoins the cathedral creating a striking space between the neo-Gothic cathedral and the historic Benjamin Mountfort designed St Mary's Church.</p> <p>The lighting brief was to work alongside Fearon Hay to help realise their vision - that the main feature gold leaf ceiling to float above the ground with little evidence of light fixtures.</p> <p>As most of the indirect lighting is above head high, the ceiling seems to float by magic. The gold leaf finish and warm colour temperature create a soft uplifting sensation. Despite the size of the roof structure and the fact it seems to only be held up by glass it seems weightless.</p> <p>The client is "extremely happy with the lighting result and overall effect that it has on the Chapel".</p>
Judges' Comments	With beautiful lighting, a stunning building becomes a highly usable work of art. The lighting designer has had to overcome considerable obstacles in order to produce an excellent design.
Luminaire manufacturers	Flos, iGuzzini, Lumascape by ECC

# AWARDS PROGRAM 2017

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award & <b>Excellence</b> Energy Efficiency
PROJECT NAME	Pulman Park - Sports Arena
PROJECT ADDRESS	Auckland
AWARDEES	Mike McGee (ZG Lighting (NZ) Limited T/A Zumtobel Group)
Please list any others who should receive credit	Architect – Hill Design Engineering Engineers – BW Henderson
DESIGNER'S STATEMENT Including project description	<p>The Pulman Sports Arena has been built to support indoor sports including international and regional netball, basketball, volleyball and futsal.</p> <p>The client brief required the following:- Energy Efficient, Dimmable Lighting, Zone switching, Easy install, Low maintenance, Daylight harvesting, Easy to upgrade, Long life, Easy building integration, 5 year warranty, Colour rendering (CRI) = 80 or greater, Colour temperature = 5600K ± 500K or 4200K ± 500K, Glare rating for all court areas &lt;50 (max 43 preferred), Luminaire optical chamber = IP6x</p> <p>The playing courts overlay one another each requiring 900 lux minimum at 1 metre above the floor. There are six netball/basketball, two international, twelve volleyball and three futsal courts.</p> <p>Due to the special, imported floor, low maintenance lighting was a high priority and an LED solution agreed upon. A great lighting solution with an efficient 11.78 W/Sq.m has resulted in very happy clients.</p>
Judges' Comments	Good use of a lighting system specifically designed for multi-purpose event centres. The designer has taken consideration of the customer's requirements and delivered an installation that is clean, uniform versatile and extremely efficient.
Luminaire manufacturers	Zumtobel and Thorn Lighting

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Light Design Awards & <b>Excellence</b> RASNZ Dark Sky Award
PROJECT NAME	Canterbury Earthquake Memorial Wall - Wall and Terraces
PROJECT ADDRESS	Christchurch
AWARDEES	Peter McBride, Kate Macdonald, Matthew Anderson (GHD)
Please list any others who should receive credit	Architect: Grega Vezjak, Contractor: Fletcher Construction, Electrical Contractor: Aotea Electrical
DESIGNER'S STATEMENT Including project description	<p>The memorial wall provides a place to reflect on the events that changed Canterbury forever - paying respect to the 185 people who lost their lives on 22 February 2011 and those who were seriously injured. It acknowledges the shared trauma and support received from organisations in New Zealand, and around the world, that helped with the recovery operation that followed.</p> <p>The design was required to recognise the shared human experience of those involved in the earthquakes, the effects on the city and Canterbury including the loss of many treasured heritage buildings and everyday cityscape, provide a space for formal civic events each year on 22 February and allow for reflection and contemplation by small groups or individuals.</p> <p>The final lighting design provides a beautiful and befitting environment for the people of Canterbury to remember and reflect on the devastating earthquake on 22 February 2011.</p>
Judges' Comments	<p>Concealed and well positioned fixtures, and careful choice of colours contribute to this excellent installation. The memorial is a sombre, subdued haven of repose for reflection and contemplation, at night as well as during daytime.</p> <p>Importantly, the design also aims for minimal light spill onto the river to avoid disruption to the Tuna kuwharuwharu (longfin eels) that live in the Avon River. Dark sky principles embrace protection of local flora and fauna from unwanted and harmful light trespass and glare.</p> <p>Maintenance-free integration of timing and lighting effects with twilight times, the seasons, daylight saving times, etc. is performed with a Pharos controller. However, it is disappointing that an alternative to the inground uplighting of the trees wasn't utilised. Hopefully, the existing young trees will grow to block all the skyward light when they reach maturity.</p>
Luminaire manufacturers	Targetti, IBEX, Ocean Architectural Lighting, Aesthetics

# AWARDS PROGRAM 2017

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award & <b>Commendation</b> <b>Energy Efficiency</b>
PROJECT NAME	Fonterra Global Headquarters - Atrium
PROJECT ADDRESS	Auckland
AWARDEES	Laurie Cook, Nick Thomas, Sarah Bryant (Beca, Jasmx)
Please list any others who should receive credit	Architect – Sarah Bryant (Jasmx) Engineers – Nick Thomas, Rob Moore
DESIGNER'S STATEMENT Including project description	Fonterra engaged Beca to complete a lighting design for their new Global Headquarters in Auckland. The lighting needed to be energy efficient, Green Star Compliant and cost effective, whilst highlighting Fonterra's innovation and green ideals. Luminaires were to be LED, controllable and recyclable. (minimising waste to the environment). With the atrium being such a large and open space, mounting locations for lighting equipment was limited. The architect, Jasmx, had spent a lot of time developing the overlapping dynamics of stairs and bridges - ultimately it was decided that the best way forward was to integrate lighting into these structures. By using integrated handrail lighting Beca were able to provide adequate levels of circulation lighting and accentuate these structures. This also greatly decreased the amount of high-level spotlights required. The client was very pleased with the final result as the project was delivered on time, on budget and met their key requirements.
Judges' Comments	An elegant solution, perfectly matching the architecture without any clutter. A fantastic approach to a difficult space has provided a pleasant, practical effect.
Luminaire manufacturers	KKDC - ERCO

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award & <b>Commendation</b> <b>RASNZ DSA</b>
PROJECT NAME	Christchurch Casino – Exterior
PROJECT ADDRESS	Christchurch
AWARDEES	Kevin Cawley (Kevin Cawley Lighting Design)
Please list any others who should receive credit	Brett Anderson (CEO Christchurch Casino) Tim Kennedy (Project Supervisor Aotea Electrical) Darran Hinfelaar (Project Supervisor Aotea Electrical) Steve Millar, Matt Garnett, Aaron Robins (Installers Aotea Electrical) Richard Lines (Fabrication Designer Lines Consultancy) Allan Stephenson (Philips Lighting Specification Consultant) Morgann Le Bars (Philips Systems Engineer and Programmer)
DESIGNER'S STATEMENT Including project description	The brief was to attract customers to the Christchurch Casino and back to the central city with light. To enhance and give a vibrancy back to Victoria and Peterborough Streets. To respect the architectural integrity of the building and integrate the lighting with the architecture.  The design was to ensure a continuous uninterrupted line of light around the casino therefore light shields needed to be custom built for an already existing building in order to disguise where the light source was coming from.  This has been a first for Christchurch in the rebuild to have a building with a specific light show timed to play every ½ hour after dark. Being able to tune the lighting for specific and individual events is what coloured RGB is all about. Disguising the fittings using the buildings architecture was one of the many pinnacles of the design. The project has been well received by the Christchurch public.
Judges' Comments	LiDA Judges Comment A bright, vibrant, versatile installation achieved with efficient, well hidden luminaires. There is no mistaking that this is a casino!  Dark Sky Judge's Comment Attention to detail mark this entertaining and well thought out concept. The design is to be commended for the choice and careful installation of concealed 10° beam angle fittings and the use of the bull nose building capping to eliminate light spill. DMX is used for system control, including astronomical timing control.
Luminaire manufacturers	Philips Color Kinetics

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award
PROJECT NAME	University of Canterbury – Central Lecture Theatre - Theatres C1, C2 and C3
PROJECT ADDRESS	Christchurch
AWARDEES	Evan Owens (Cosgroves)
Please list any others who should receive credit	Electrical Engineer: Cosgroves – Evan Owens Electrical Contractor: Nind Electrical Services
DESIGNER'S STATEMENT Including project description	<p>Being the largest theatres on campus, the Central Lecture Theatres are in constant use daily from 8am in the morning through to 5pm in the evening each day throughout the academic year.</p> <p>Built in the early 90's, the original 4x36W fluorescent troffers (while providing adequate levels of illumination) were becoming costly and difficult to maintain. Additionally, they were not able to be effectively controlled and were no longer suitable for modern teaching technology and teaching practices. A design was sought with very specific and stringent requirements to cater for the audio visual services - careful consideration was to be given to the luminaire selections, the overall layout and the control methodology.</p> <p>The inventive solution has managed to meet the diverse and different requirements of the brief, while still providing an elegant lighting solution that enhances the learning environment for both academic staff and students alike, as well as significantly reducing energy use.</p>
Judges' Comments	A good example of a well executed upgrade, simple, clean and clear lighting solutions. The result is an efficient, versatile space with low glare and maintenance.
Luminaire manufacturers	ERCO / Energylight

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award
PROJECT NAME	Auckland War Memorial Museum - Pou Maumahara – Memorial Discovery Centre
PROJECT ADDRESS	Auckland
AWARDEES	Wayne Ferguson (Auckland War Memorial Museum)
Please list any others who should receive credit	Architects – Jasmaz / fjmt / designTribe (Base-build) and Salmond Reed (Heritage) Exhibition Architects – Pearson & Associates Architects Ltd Electrical Engineers – Norman Disney & Young
DESIGNER'S STATEMENT Including project description	<p>Pou Maumahara is a memorial discovery centre – a place for visitors to research and make personal discoveries about New Zealand servicemen and women. The space was originally configured as the Museum's research library and then was the location for the 1866 Centennial Street exhibition for many years.</p> <p>Concept development for Pou Maumahara began in 2013. The space was refreshed to become the Museum's Memorial Discovery Centre. It houses the Online Cenotaph and is a reflective space which commemorates New Zealanders' involvements in international conflicts. It is both a gallery with continually refreshed exhibition content, and a staff-facilitated research centre. Visitors can explore the stories behind photos, diaries and military collections and contribute further knowledge and information to create a legacy for future generations.</p> <p>The resulting design solution produced an overall experience of warmth, reflection and calm.</p>
Judges' Comments	A great solution providing warm and welcoming ambient effects with gentle accents. The result is fully functional and visually pleasant.
Luminaire manufacturers	ERCO / Energylight, Zumtobel Group / Thorn Lighting

AWARD INFORMATION	
AWARD (please tick)	<input checked="" type="checkbox"/> <b>Commendation</b> Lighting Design Award
PROJECT NAME	Waterview Tunnel
PROJECT ADDRESS	Auckland
AWARDEES	Jin Lin, Graeme Robert Culling (Betacom (1988) Ltd)
Please list any others who should receive credit	Engineers – The Well-Connected Alliance
DESIGNER'S STATEMENT Including project description	<p>To provide a comprehensive lighting design for the carriageway and walls for the safe passage of traffic from entrance to exit in accordance with AS/NZS 1158.5.</p> <p>The location of the luminaire rows and mounting height was specified by the client. The transverse position of the luminaire row was not symmetrical to the tunnel bore /carriageway centreline. A reduced mounting height was specified under the ventilation buildings at the portal areas. These requirements made it a challenge to achieve a good balance of lighting between the right-hand and left-hand walls and the three lanes carriageway.</p> <p>A customised luminaire with two different optics was used, this blending technique achieved the lighting balance required and overcame the offset from the centreline of the luminaire row.</p> <p>The client has expressed their delight with a solution that "met our specification and delivered results which have exceeded our expectations".</p>
Judges' Comments	Great utilisation of new technology for tunnels and portals. An efficient method of general and boost lighting and a good result with 20% less energy than the client's specification.
Luminaire manufacturers	Schröder/Betacom

## ADVERTISEMENT

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This distance learning course is part-time over two years. The four papers include a series of block courses on a Friday and Saturday on our Albany (Auckland) campus. Sessions will include using our state-of-the-art photometric laboratory capable of measuring everything from chromaticity coordinates to luminous flux. Our students have come from all around New Zealand.

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THE ENGINE  
OF THE NEW  
NEW ZEALAND



# OUT AND ABOUT AWARDS DINNER 2017



# OUT AND ABOUT AWARDS DINNER 2017



**Subject: Commercial Building Lighting Standards Revision**

**Date:** 1 December 2017 10:34:21 am NZDT

Tēnā koutou,

Currently, EECA has a couple of projects that look at improving lighting energy efficiency that we thought you might be interested in providing feedback on.

## **Commercial building lighting standards**

Standards NZ has just released the proposed DZ 4243.2 Amendment 1 draft for public consultation on their website.

### **Background**

EECA commissioned a revision to Commercial Building lighting Standard NZS4243: Part 2:2007. This Standard is cited in the NZ Building Code and is a companion document to NZS 4243: Part 1: 2007 Energy efficiency – Large buildings. The revision to this Standard will be completed in early 2018.

A technical committee was formed to provide recommendations on the revision of NZS 4243.

### **The recommendations**

Recommendations include changes and improvements to:

- a) Accommodate SSL LED technology
- b) Revise and improve lighting power density limits
- c) Update terms and definitions
- d) Simplify application of revised limits

Link to draft for

comment: <https://shop.standards.govt.nz/default.htm?action=browseDrafts&draftTypeId=1&mod=drafts>

Submissions are welcome, to provide input and feedback visit the [Standards NZ](#) website for more information on how to do so. Public consultation will run for a period of 10 weeks, considering the Christmas break, 30 November 2017 – 14 February 2018.

Ngā mihi nui,

**Emma Simons**

Standards and Regulations Project Coordinator

**Energy Efficiency and Conservation Authority (EECA)** Te Tari Tiaki Pūngao

[www.eeca.govt.nz](http://www.eeca.govt.nz) | [www.energywise.govt.nz](http://www.energywise.govt.nz) | [www.eecabusiness.govt.nz](http://www.eecabusiness.govt.nz) | [www.electricvehicles.govt.nz](http://www.electricvehicles.govt.nz)

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# NEW ZEALAND CHAPTER MANAGEMENT COMMITTEE (NZ CMC) 2017/18

Our thanks to the following people for volunteering their time to help run the IESANZ here in New Zealand, as well as their employers for supporting them in their respective roles:

Title / Name	Contact Information
Chapter President & Board Member <b>Greg Williams</b>	Ph: 09 300 9308 Mb: 021 309 088 <a href="mailto:greg.williams@beca.com">greg.williams@beca.com</a>
Vice President & Secretary <b>Tracy Bronlund</b>	Ph: 09 420 4936 Mb: 021 447 284 <a href="mailto:tracyb@bpl.co.nz">tracyb@bpl.co.nz</a>
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