

October 2017

FROM THE CHAPTER CHAIRPERSON

Hi Everyone

Here's the Chairperson's report taken from the ACM for those that didn't make it.

This is our look back over the year. In the previous year's report, I noted that the industry was generally busy, and this year it seems that the workload has increased yet again. I recently read a MBIE report that indicated that the construction sector had grown in the order of 8% (16% in Auckland), and that this was likely to continue for a while.

The awards dinner that happened at Christchurch this year was an even greater success than the previous year's – measured by the enjoyment and feedback that we received from guests. It generated a small profit which enabled the NZ chapter to fund further tech events around the country. I express our thanks to all of the night's sponsors, and in particular Energy Light for their second year of Platinum Sponsorship.

At the end of last financial year, our membership numbers were down from this time two years ago 176 members to 110 as of 1 August, and by the end of August this had increased to 120. As a Society we do depend on membership fees to pay for the central administration of the Society for Standards representation (for the NZ Chapter) and the lighting magazines, and this year was called upon to provide sponsorship for the successful Healthy Lighting Symposium, organised and run by Massey University and our own Susan Mander.

This year we have had a range of speakers from Andrew Chalmers, Kit Cuttle, Laurie Cook, Richard Ponting, and also had challenges with weather preventing some meetings being held (due to closure of Wellington Airport!). We also ran a technical series around the country with Barry Clark – Avoiding Criminal Friendly and Unhealthy Outdoor Lighting, who visited Queenstown, Christchurch, Wellington, Tauranga and Auckland. In total, we ran some 11 technical meetings up between November and June 2017.

Following on with our theme to move the lighting awards around the country, I'm really excited to be able to announce that the Lighting Awards Gala Dinner will be held this year in Auckland, at the Auckland Museum. I'm pleased to announce that our Platinum sponsor for the event this year is Ibox lighting, and we are of course still looking for sponsorship at all the gold+ levels down to bronze. At the moment we do not have enough sponsorship to run the event! If you can think of a way in which you could be involved in assisting the IESANZ with time, services, skills, monetary sponsorship etc it would be much appreciated if you could contact me and we'd be pleased to have your help!

This year, we were lucky to have a full complement of volunteers for CMC positions, as well as keeping in touch with David Barrett who is the NZ Chapter representative on the IESANZ Board. The CMC have had a huge amount of work carried out by a very small number of volunteers.

Out of our 15 CMC members none have been able to find the time to fill the secretary position – which has increased the workload on the remaining active members. I remind those volunteering for CMC positions that we don't ask people to volunteer merely for looks – if you volunteer then it would be appreciated if you could provide active assistance. The ACM has been and gone. Our thanks to those that have departed from the CMC (Dennis and Pontus) and welcome to Kate and welcome back to Trevor.

A special mention of thanks to David Barrett, who has served on the CMC for a long time, and has been your Board member for the past two years (last year not on the CMC). David is stepping down from the Board and we wish him well with his newly released time!

I'm looking forward to a full and exciting year coming. There are good things happening in your Society!

Greg Williams
NZ Chapter President



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NOTES FROM THE EDITOR

Welcome to the October edition of Varda.

It's been a long time coming but finally we have got another Varda out – only the second of the year.

In the last month we have seen a very successful “Healthy Lighting Symposium” at Massey, EMANZ have conducted another CBES Lighting course, and upcoming on the 18th and 19th of October we have a two day “Introduction to Lighting” course in Auckland (see ad on page 8). These training courses need to be embraced by all of us in the lighting industry as they help us to further our lighting knowledge and bring new people into our industry and arm them with passion and a good base knowledge. Many of our readers are in positions of being able to put forward candidates for these courses from within their respective businesses so please be supportive of these initiatives and help us all upskill our industries collective knowledge.

I hope you enjoy this edition of Varda.

Stephen

FINANCIAL REPORT

This year the NZ Chapter with huge support from the local members, companies, individuals in Christchurch and the NZ Lighting industry as a whole came together for another very successful and memorable Lighting Awards Dinner. The important of the Annual Dinner contributes to the financial operations for local events, sponsorship, Technical events etc. The NZ Chapter depends on the success of the Dinner which has always seen such great support, enables us to conduct Technical Meetings and event at none - minimal costs to our members.

Our budgeted result for the financial year end of 30th June 2017 was to break even – we are pleased to advise that this turned to a small profit of \$1,120– Thanks must go out to the NZ lighting industry for their continued support and to the hard working team of the CMC for this result.

Our ultimate aim is to break even for each financial year or create a positive result as our budget resets for the coming period. We had a large successful Technical event this year but we could have held further events (if we are provided with the speakers) – please remember to pass on any opportunities to the CMC for presenters in this year coming.

All monthly reports have been sent to the Secretariat in Australia for combining with the other chapters of the IES. Financial reports from all the chapters will be audited and combined into a single report in our central accounts.

Rodney Hawthorn
NZ Chapter Treasurer

Notes:

- Unaudited results
- Membership fees are credited to IESANZ accounts in Australia and are not included in the above figures

| INCOME | | EXPENDITURE | |
|-----------------------------------|-----------------|---------------------------|-----------------|
| Meetings | \$0 | Meetings | \$0 |
| Awards Dinner | \$79859 | Awards Events | \$77326 |
| Awards Programme | \$3000 | Awards Programme | \$377 |
| Education Program | \$0 | Education Programs | \$3857 |
| Special Events (Dux Award Dinner) | \$721 | Special Events | \$0 |
| | | Administration (CMC) | \$0 |
| Other | \$0 | Other (IRD) | \$900 |
| TOTAL | \$83,580 | TOTAL | \$82,460 |
| | | Net Profit/Loss FY | \$1,120 |



Susan Mander
Education Chair

Education Report for IESANZ New Zealand Chapter ACM

Susan Mander, 25 September 2017

The main item in the Education Portfolio is the IESANZ-accredited lighting program at Massey University, which is undertaken part time over two years (two papers per year). Students travel to Massey's campus in Auckland to participate in a series of workshops, and then carry out assessment tasks from home. The 2017 academic year began with a total of 39 students across the two year levels, and students are presently preparing their final coursework for the year.

Last year saw the launch of the IESANZ "New Zealand Student Lighting Design Competition". This competition was designed to complement the annual Dux awards, which recognize the top overall student in each Massey year group. Students who excel in design are able to enter their final project for judging, with the two finalists' work displayed at the Lighting Awards Gala Dinner. Congratulations to Simon Hadlow, who was the 2016 winner. Well done also to the runner-up, Craig Neagle.

On 26 April 2017 the IESANZ hosted a dinner to congratulate the 2016 graduates. There were sixteen graduating students in total, and we were delighted that many were able to attend the graduation ceremony in person. We offer special congratulations to Craig Neagle, who picked up his class' Dux award for the second time running. Congratulations also to Rochelle Wong, who was the 2016 Year 1 winner.

On 1 September 2017 the joint IESANZ/Massey University *Healthy Lighting Symposium* was held at the university. This day-long event investigated how lighting can be used to promote health and wellbeing in New Zealand. We have received very positive comments from attendees, and will soon send out a survey to collect further information.

A short course entitled "An Introduction to Light" is being planned for 18-19 October 2017 at the Novotel Auckland. This course is run by the IESANZ and is aimed at people who are new to the lighting industry. Please see the attached advertisement for more information. As it is an often-asked question, we note here that the introductory course does not cross-credit to the Graduate Certificate course at Massey.

STATUS AND QUALIFICATION REPORT

There are two distinct grades of membership, associate levels and Technical levels. Anyone with an interest in lighting, or one of its many facets, can join at associate level and be provided with information in the form of technical meetings, forewarnings of Standards changes, attend the technical evenings and can receive the Varda and Lighting magazines to keep themselves abreast of the industry.

The second distinct grade is the technical grades and includes Technician (TechIES), Member (MIES with big "M"), and Fellow (FIES). At this grade an academic level qualification is usually required and a good experience of lighting design. However, not having the academic qualifications is not a bar to becoming an MIES. This can be achieved through a peer interview process. Please see the Membership Design Guide on the IESANZ website for the processes.

As the S & Q Coordinator, I work with a sub-committee that consists of Susan Mander, Russ Kern, Richard Bracebridge and Mark Kirkham. Our job is to work at Chapter level to check the academic requirements and perhaps make some comment on the professionalism of the intended upgrader, as these are unknown to the Board in Australia.

On receipt of completed Technician applications turn around by the sub-committee is usually within 48 hours. The completed forms are then sent to the Board for approval. It then may take around two to three weeks before receiving notification of the Board's decision.

MIES upgrade notification may take up to 2 months from receipt of a fully completed application.

There have been 1 MIES upgrades this year.

Congratulations to:
Ian Campbell

Also 8 members have upgraded to TechIES.

Congratulations to:

| | |
|----------------|------------------|
| Letty Uttinger | Pierre Abrahamse |
| Mona Aziz | Stephen Collard |
| Maurice Davies | Steven Franks |
| Amanda Gray | Simon Hadlow |

Technical Grades

There are currently 59 Technical Associates, 32 MIES grades and 1 Fellow.

MIES Upgrade Online Tutorial

For those of you out there that have been considering the extra substantiation to your work by having the MIES post nominals after your name it's not too difficult if you follow the tips on the Youtube tutorial:

www.youtube.com/channel/UCJvi0IK9MjxuBJazeXTckaQ

Generally takes no more than a morning's work for the research and filling the application.

I would encourage these new Associates, or any Associate that has completed the Massey University Graduate Certificate course to submit their TechIES upgrade applications.

David Arthur MIES
IESANZ – NZ Chapter

TECHNICAL MEETINGS

We have had a number of technical meetings, spread through the country. Attendance (where this was collected) ranged from 8 – over 40. We have deliberately not limited these presentations to Members only, in the interest of “furthering the science and art of lighting”.

Attendance was lower when advance notice was limited.

Our thanks go out to the presenters that spent the time to prepare presentations, travel, and present to our members.

Greg Williams – on behalf of Michael Warwick – NZ Chapter Tech Meetings Organiser.

| Date/Month | Location | Content/Topic |
|-------------|--------------|--|
| 20 Sep '16 | Christchurch | Richard Ponting: Workshop discussion on Emergency Lighting |
| 12 Oct '16 | Auckland | Kit Cuttle: Discussing the metrics for Room Luminance |
| 25 Oct '16 | Auckland | Laurie Cook: Lighting for our Biology |
| 22 Nov '16 | Auckland | Andrew Chalmers: Colour Rendering and Fidelity in Association with CIBSE |
| 29 Mar '17 | Wellington | Laurie Cook: Lighting for our Biology – CANCELLED DUE TO FOG |
| 18 Apr '17 | Wellington | Francois Shindo & Neil Swift: Light Meter Calibration |
| 10 May '17 | Queenstown | Barry Clark: Avoiding Criminal Friendly & Unhealthy Outdoor Lighting |
| 11 May '17 | Christchurch | Barry Clark: Avoiding Criminal Friendly & Unhealthy Outdoor Lighting |
| 16 May '17 | Wellington | Barry Clark: Avoiding Criminal Friendly & Unhealthy Outdoor Lighting |
| 17 May '17 | Tauranga | Barry Clark: Avoiding Criminal Friendly & Unhealthy Outdoor Lighting |
| 18 May '17 | Auckland | Barry Clark: Avoiding Criminal Friendly & Unhealthy Outdoor Lighting |
| 11 July '17 | Auckland | Insurance for Business Professionals – CANCELLED DUE TO SPEAKER ILLNESS |

1 SEPTEMBER 2017 - MASSEY UNIVERSITY AND IESANZ HEALTHY LIGHTING SYMPOSIUM

Including paper/presentations from

- Associate Professor Guy Warman – lighting, biological clocks and sleep
- Bryan King – overview of the controversies of blue rich white light in outdoor lighting
- Andrew Collins – eye health: should we be blue about light and the eye
- Dr Lora Wu – using light therapy to treat sleep and circadian disorders
- Associate Professor Michael Donn – Lighting for healthy schools
- Dr Mary Butler – The visual and non-visual effects of light on health of the older adult with low vision

AWARDS PROGRAM

2016 Saw a continuation of the drop in lighting awards entries, receiving only 12 submissions in total – 11 x Lighting Design (LiDA) and 1 x LuDA (Luminaire Design). This was mainly due to the lack of projects being finalised around the country post-recession.

JUDGING PANEL 2016:-

Tracy Bronlund – Convenor
Laurie Cook
Ewen Café
Katarien Badham

Greg Williams - Chair
John McKensey
Susan Mander
David Britten

2016 AWARDS RECIPIENTS:-

LIDA – AWARD OF COMMENDATION

Emerson's Brewery – Entry Façade & Brewhouse
Fonterra Pahaiatua – Drystore
Blackwells Moorhouse – Holden Showroom
Mount Victoria Tunnel

- Laurie Cook & Samuel Wang from Beca Ltd
- Vicki Kivell from Infinity Lighting
- David Blackler & Clement Wong from TM Consultants
- Brian Goldstein, Fawad Sharif, Virgil Karan from Memorial Park Alliance & AECOM NZ

LIDA – AWARD OF EXCELLENCE – ENERGY EFFICIENCY

Blackwells Moorhouse – Holden Showroom

- David Blackler & Clement Wong from TM Consultants

LIDA – AWARD OF COMMENDATION – ENERGY EFFICIENCY

Fonterra Pahaiatua – Drystore

- Vicki Kivell from Infinity Lighting

LUDA – AWARD OF COMMENDATION

DOT 9900 Series – LED Down Light

- Frank Austin from Nimbus Lighting Group

As expected, this year we have seen a marked increase in number of submissions with a total of 23 projects entered.

Judging is currently taking place, remember to get your tickets to find out who wins.

Tracy Bronlund – Awards Convener

Lighting Awards Gala Dinner, Friday 17 November, Auckland Museum

FUTURE PLANNING

The NZ Chapter is in a good place to go forward. As a chapter, we contributed a large amount the ongoing running of the Society as a whole, and I see good reasons why this contribution would continue. Our chapter has ~150 members, which is a significant body within the IESANZ as a whole, although we do have 37 members that have not yet paid up their subs.

The plans for the future of the NZ Chapter were mapped out in the non-financial and financial business plans of 2014-5, and were refreshed early in 2017.

Upcoming events/ideas for the following year (extract from the business plan)...

| |
|---|
| <i>Existing IESANZ Activities</i> |
| Provide quality technical events for membership around the country |
| Run a successful (well subscribed) lighting awards programme |
| Run a successful gala dinner and lighting awards presentation, attracting sufficient sponsorship to fund the year's planned activities. |
| Continue to represent NZ interests in lighting on AS and NZ standards committees |
| Provide opportunities for members to increase their knowledge through the provision of an IESANZ accredited lighting course run in New Zealand. |
| Provide recognition of student graduation and effort through provision of annual "dux" awards, and Student Design Award. |
| Provide opportunity for additional training opportunities through short courses (healthy lighting symposium) run through Institutions |
| <i>Proposed New IESANZ Activities</i> |
| Provide regular updates to members on NZ Chapter news through VARDA |
| Increase national support (through membership number increase) for the IESANZ, including Chapter President physically visiting centers throughout New Zealand to encourage local participation, generating national IESANZ NZ profile and engagement in the regions, re-engagement of lapsed members to encourage them to re-join the society |
| Actively advocate for professional recognition of higher membership grades, (MIES, FIES and RLP) in particular for Council sign off of design work, exterior lighting and road lighting disciplines, to provide members with value for their higher membership grades. |
| Promote the opportunity for members to contribute to publications such as The Lighting Magazine, Electrolink etc through themed articles. This will also promote lighting generally, and the Society's contribution to the industry through it's membership. |
| Provide opportunities to lighting suppliers to present their material to membership through supplier evenings similar to those held in Victoria. |
| Target formal accreditation of Technical Events for CPD points, to provide members enhanced opportunity to upgrade their membership status to higher membership grades. |
| Provide social opportunities for membership to network, and increase membership numbers for the Society as a whole. Instigate an annual golf tournament for members to promote the opportunity to network in a non-threatening environment outside of the confines of the work environment. This to also provide additional opportunity for industry sponsorship and income to the Society to add to income to fund ongoing activities. |

Have your say on lighting

The Energy Efficiency and Conservation Authority (EECA) is consulting on Minimum Energy Performance Standards (MEPS) for LED lamps. This consultation is run with Australia through the joint E3 programme.

A new proposal [Lighting – Updated policy positions](#) has just been published, proposing a narrower scope—for New Zealand, MEPS will be applied to LED lamps only at this time. The original proposal, which is referenced, is also available to download from the same link.

EECA welcomes any feedback on this supplementary paper by COB Tuesday 10th October, to regs@eeeca.govt.nz.

Commercial building lighting density review

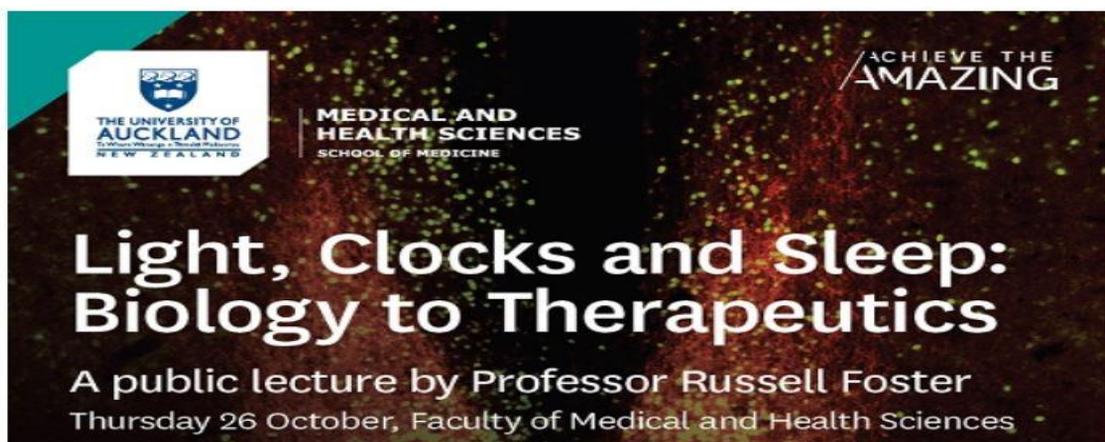
Following stakeholder feedback, EECA set up a project to look at the effectiveness of lighting efficiency measures in the Building Code.

There is positive cost benefit from improving lighting products through Minimum Energy Performance Standards (MEPS) but greater impacts could be achieved if the current commercial building lighting density limits are also aligned with other international jurisdictions.

We are looking at additional measures to adopt alongside MEPS, and are investigating the potential to update lighting density tables listed in NZS 4243:2007 (Energy Efficiency – Large Buildings): Part 2 – Lighting .

Thank you to everyone who has contributed to this project.

Public Lecture by Professor Russell Foster



IESANZ members are invited to attend a public lecture by Professor Russell Foster which is being hosted by the University of Auckland on **Thursday, 26 October**. Russell Foster is Professor of Circadian Neuroscience and a Fellow of Brasenose College, Oxford. He heads the Nuffield Laboratory of Ophthalmology and is the Director of the Sleep and Circadian Neuroscience Institute (SCNi). His research is focused upon how circadian rhythms and sleep are generated and particularly how these systems are regulated by light.

Drinks and nibbles begin at 5.00pm, followed by the one-hour public lecture on “**Light, Clocks and Sleep: Biology to Therapeutics**” at 5:30pm.

This is being held at the School of Medicine, Ground Floor, lecture theatre 011, 85 Park Road, Grafton. Please RSVP to Debbie Beaumont d.beaumont@auckland.ac.nz for catering purposes.

ADVERTISEMENTS

Lighting Industry - Technical Sales Representative - Auckland

Illuminate your Technical Sales Career! Internationally recognised company! Have you got what it takes?

A unique career opportunity has arisen for high calibre technical sales representative to join our client, Advanced Lighting Technologies (NZ) Ltd. ADLT are an innovative designer, manufacturer, marketer and distributor of leading edge technology to commercial and industrial clients throughout New Zealand, Australia, Asia Pacific and the World. Australia and New Zealand additionally hold distribution rights for world leading technology enabling them to provide the most advanced solutions to their client requirements. Reporting to the New Zealand Sales Manager you will be responsible for servicing a select group of consultants & electrical engineers in the Auckland region. Candidates from an electrical, lighting and/or engineering background seeking to develop a career in sales may be considered for this opportunity.

Required Skills, Attributes and Experience

A self starter with personality, drive and a desire to succeed

The ability to comprehend technical information and present compelling sales presentations to technical engineers & consultants at senior management level

Exceptional interpersonal communication skills with proven client relationship building skills

A well documented track record of success in a prior sales or key account management role (desirable).

Experience in the use of AGI32 or similar lighting design software

Willingness to invest time and undertake further training to develop product knowledge and technical understanding

A certificate in Illumination Engineering and /or Electrical Trade Registration (desirable but not essential)

Target driven, a positive team contributor with a commitment to excellence in client service delivery

If you back yourself and this is the career opportunity you have been waiting for, then we would like to hear from you. A competitive salary based remuneration package including company vehicle, laptop and cellphone will be offered to the successful candidate. Strict confidentiality assured. Please forward your application with CV to:

Brett Looker
Human Resource Group Ltd
PO Box 8164, Tauranga
PH: 07 5782063
Mobile: 0272714299
brett@hrg.co.nz

IESANZ: An Introduction to Light 18th & 19th October, 2017 Novotel Auckland, 72-112 Greenlane E, Ellerslie

IES: The Lighting Society presents An Introduction to Light Course to equip participants with a knowledge of terminology and energy efficient lighting practices, to be delivered by a combination of pre-reading, face-to face teaching, assessment and revision. This is a new updated Course Format.

Aims of this Course:

This course aims to provide participants new to the industry to be suitably informed of the basic lighting concepts to enable them to understand and communicate these concepts to others.

Topics covered in our new updated course delivered across 2 days include:

- Lighting Language
- The Eye and Vision
- Laws of Light
- Color
- Overview of Lamps
- Introduction to new technology lamps
- Luminaires
- Introduction to Sustainability
- Introduction to Lighting Design

Course notes will be provided prior to commencement and pre-reading will be required prior to the commencement of this course. This will be sent 5-7 days prior to the course commencement.

A Certificate of Completion will also be provided, sent after the conclusion of the course however participants will be required to attend both full days.

Cost:

Cost per person is \$1300 (inclusive of GST) and includes a 1-year Associate Membership to the IESANZ (Illuminating Engineering Society of Australia and New Zealand). Payment must be received prior to the commencement of the course – no refund will be offered for last minute cancellation (prior to 7 days to the commencement however a deferment is possible or another attendee can be sent in place).

Further Education—New Course!

A second 2-day course will be available for participants of this course on completion for those seeking further education: IESANZ The Basics of Lighting Application. To book online visit the IESANZ website at www.iesanz.org and look under EDUCATION for locations or contact the Course Coordinator directly, Susan Wall at susan.wall@iesanz.org mob: 0417 057 177.

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:

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