

**MAY 2023**

# QLD CHAPTER NEWSLETTER



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The Illuminating Engineering Society of Australia and New Zealand is an organization with Chapters in the five mainland States of Australia and New Zealand. The Society operates under the name: IES: The Lighting Society.

The aim of the Society is the advancement of the art and science of illumination and the dissemination of knowledge to all interested parties. The Society's diversified membership includes engineers, architects, educators, students, contractors, manufacturers, and designers.

**Arcus**

Arcus is the official newsletter of the QLD Chapter of the Illuminating Engineering Society of Australia and New Zealand.

**Memberships**

There are two types of membership available: individual and corporate (or company).

For further information on membership contact Queensland Chapter at the below address or visit the ies website.

**QLD Chapter Management Committee**

- President / Secretary:** Andrew Chase
- Vice President:** Steve Hare
- Board Representatives:** Scott Forbes
- Treasurer:** Michael Davies
- Communications / Arcus:** Richard Ralph
- Lighting Innovation Awards:** Lee Wegner
- Membership** \_\_\_\_
- Technical Meetings:** Martijn Warren
- Advocacy:** Paul Doig
- Annual Dinner:** Andrew Chase, Lee Wegner & Richard Ralph
- Lighting Design Awards:** Ricky Combs & Jason MacKander
- Education / Courses:** Mark Devin

**Advertising**

To advertise into Arcus please contact the QLD Chapter Secretary at the email address provided on this page.

**Pricing for advertising is \$20 for members and \$50 for non-members.**

**Member Page**

IES Qld Chapter members are welcome to submit information on employment changes – including new positions, promotions, and ‘available for hire’, for inclusion in Arcus. Members wishing to be included are requested to send a photo and a short blurb (20 – 30 words) for inclusion in the newsletter, to the editor, **Richard Ralph**, at [richard.ralph@inlite.com.au](mailto:richard.ralph@inlite.com.au)

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**[Visit the Lighting Society at \(click on icon\)](#)**



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## PRESIDENT'S MESSAGE

Welcome all members to the May instalment of Arcus for 2023

Over time the CMC has received questions about education in the lighting space. We are now able to endorse various universities and training organization's courses. There are three short IES courses online that can be accessed at the following web page.

<https://www.iesanz.org/education-events/education-landing-page>

There are also four accredited courses available, RMIT University, Massey University, Engineering Institute of Technology, and the University of Sydney. These can be found in the link below

<https://www.iesanz.org/education-events/other-accredited-lighting-courses>

A friendly reminder to all members that we have the IESANZ Light in Focus Event Conference being held on Wednesday 7<sup>th</sup> and Thursday 8<sup>th</sup> of June 2023 at Dolton House, Jones Bay Wharf, Pyrmont, Sydney. There is an Exhibition area for suppliers, the Conference itself is jam packed with industry experts discussing all things lighting and the Awards Night Dinner itself. Visit the link below to secure your place.

<https://www.iesanz.org/conference-2023-2/about-conference-2023>

The 2023 awards night will take place on Friday the 10th of November. The venue will be the Brisbane art Gallery Southbank. We are all very excited about this venue, thanks must go to Lee Wegner and Richard Ralph for finding this exciting venue. No doubt the night will be a great success.

Tables are selling fast, and a few generous suppliers have already committed to sponsorship support. A heartfelt thank you from me and the CMC goes out to them.

We have some exciting news for a technical meeting that we will be telling you all about very soon, this will take place at the Bulimba Golf Club on Tuesday the 14th of June the presenter Michael Rosetta to discuss results of the ACT Smart Lighting Project.

That's all from me for this month. Please enjoy this month's ARCUS.

As always, please don't forget about our social media platforms:

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

[Illuminating Engineering Society of Australia and New Zealand Ltd](#) | [Brisbane QLD](#) | [Facebook](#)

Or feel free to message me at [qldpresident@iesanz.org](mailto:qldpresident@iesanz.org)



Andrew Chase



## WHO'S WHO.

### Jason MacKander



Employer:  
Aurecon

Job Title:  
Lead Technician

Greatest Lighting Achievement:  
Design and commissioning of the C Bus Stadium (Gold Coast Titan's Stadium – Robina)

Hobbies:  
Woodturning  
Travel  
Concerts

It's your ultimate dinner for 4,  
who do you invite:  
Me (would want to be there to hang out with these people!!)  
Jimmy Paige  
Barack Obama  
Don Bradman

## Technical Meetings.

### Welcome to the new age.

Dear fellow lighting enthusiasts,

A friend of mine once told me “The only universal constant is change”. In the world of today this statement is proven repeatedly in an almost logarithmic scale.

The world around us is constantly evolving and keeping up with the latest developments is sometimes a full-time profession by itself. Non the less we strive to stay on the forefront of the latest and greatest and try to bring that to integrate these developments in our daily routines weather they are for personal use or professional. Some look at developments with a doubtful eye wondering if this change is necessary. However, the other side of the coin is of a greater value I believe.

As the late and great Dr Richard Feynman once said when asked about the journey of discovery, his answer started with the words, it’s fun to imagine.

One of the trending topics of today’s society is “industry 4.0”. A term first coined by Klaus Schwab at the 2015 World Economic forum in Davos, Switzerland. To those not yet initiated in the world of technological revolutions here a short synopsis.

“Industry 4.0” is a term used for the fourth industrial revolution that conceptualizes the rapid change to technology, industries and societal patterns and processes in the 21<sup>st</sup> century due to increasing interconnectivity and smart automation. “The internet of things” (IoT) is the way that objects in our environment can communicate between devices and humans. Examples of this are home automation systems that include lighting, heating and air conditioning, media and security systems.

Other IoT systems can be found in applications ranging from health care to Industrial applications.

Artificial intelligence assists with daily tasks where human involvement is only required where function is not aligned or otherwise not contributing to the desired outcome.

Components of the fourth industrial revolution are as follows:

- Mobile Devices
- Internet of Things (IoT)
- Location detection technologies
- Advanced human - Machine interfaces
- Authentication and fraud detection
- Smart sensors
- Big analytic and advanced processes
- Multilevel customer interaction and customer profiling
- Augmented reality/ wearables
- On demand availability of computer system resources
- Data visualisation and triggered “live” training.

These items can be summarised to four major components that define the term “industry 4.0”.

- Cyber physical systems
- Internet of Things
- On demand availability of computer system resources (Cloud computing)
- Cognitive computing (A.I)

if the third technological revolution was the information age, then the fourth revolution will mark the beginning of the imagination age where creativity and imagination become the primary creators of economic value.

Martijn Warren

## Technical Meetings

IES QLD Committee has been working hard to organise events for the next couple of months. In last month's issue of Arcus, I mentioned that I was talking to QPAC about organising a backstage tour of the lighting facilities they have there. Unfortunately, we have not been able to find a suitable schedule yet and as such this event has been pushed back for the time being.

Also, In the last Arcus newsletter I mentioned the idea of holding a series of debates on issues that trending in the lighting industry. I would like to reiterate that if you are interested in participating in these debates than please send an email to [qldevents@iesanz.org](mailto:qldevents@iesanz.org)

We have several topics underway that will hopefully be of interest to all members and non-members alike.

### What is coming up.

#### June

What: Presentation from Michael Rosetta on Smart Street Lighting Project in Canberra.

When: 14 June 2023 | Where: Bulimba Golf Club (inside clubhouse) | Time: 18:00 to 21:00 | RSVP: Eventbrite

#### Introduction

IESQLD has been approached by Omexom via JPR Richardson with the request for a presentation on the recent development upgrades to the smart lighting systems utilising IoT technology and the benefit to data tracking on power usage etc in mind. The future of public lighting systems will see an increase in the request for smarter ways of tracking usage and power data resulting in lower energy costs as well as adaptive technologies to assist in various areas to improve quality of life.

This meeting is partially a presentation but has a strong emphasis on engagement from the audience to a forum-based discussion. This night will provide some insight into the new emerging technologies of industry 4.0 and how it can benefit society.

**This event is Proudly Sponsored by JP Richardson Pty Ltd**

## Queensland CMC Technical Meeting



VINCI Energies Omexom Australia  
**MICHAEL ROSETTA**

Business Unit Manager,  
Smart Lighting, ACT, Australia

Michael has over 30 years experience in the energy sector covering generation, transmission, and distribution, along with a background in process control environments.

A Project Director who has experience in portfolio, programme and project management, Michael is a strategic planner achieving transformation through alignment of policy, strategy and portfolio delivery.

With overall accountability for the successful delivery of the 1st Smart Street Lighting contract, as an Energy Performance Contract in the ACT, the project has delivered a 50% reduction in energy consumption and over 30% reduction in maintenance faults.

Michael is embracing the use of Artificial Intelligence (AI) and algorithms to further enhance energy transformation via advanced analytics through data ingestion and orchestration to realise sustainable and liveable cities.

### Subject Matter

Omexom - Sharing the Experience from the ACT Smart Street Lighting Project

- Innovative Energy Performance Contract Model
- The Smart City Backbone and Systems
- Smart Lighting Benefits
- Trials and Initiatives
- The Future
- Conclusion with a general forum to discuss the local needs.

Date 14<sup>th</sup> June  
The Venue – Bulimba Golf Club  
Pre Drinks and Nibbles 6.30pm  
Presentation Begins 7.00pm

6 Quay Street Bulimba

Please RSVP  
Martijn Warren



## July

What: Workshop on lighting for theatre.

When: 19 July 2023 | Where: Show technology Pty Ltd | Time: 18:00 to 21:00 | RSVP: Eventbrite

Introduction

IESANZ QLD Chapter is working together with Show technology Australia to set up a series of workshops addressing fundamental aspects of various fields of event and aesthetic lighting.

Show Technology are one of leading distributors of lighting and AV equipment for commercial, entertainment and architectural projects across Australia and New Zealand.

In the spirit of providing education across all platforms of the lighting industry we are pleased to let you know that a series of workshops is in the process of being organized. The workshops will be held at the premise of Show technology in Banyo.

The first workshop will be on the basics of theatre lighting and the fixtures used in this environment. This will be a great night for anyone who is interested in this discipline of lighting.

The next workshops will include Aesthetic lighting for public buildings and objects and lighting for galleries.

Show technology Pty Ltd | Unit 3/459 Tufnell Road, Banyo

## August

What: Presentation on the new edition of the AS4282 Standard for obtrusive lighting.

When: Aug/Sep 2023 T.B.C | Where: Bulimba Golf club | Time: 18:00 to 21:00 | RSVP: Eventbrite

Introduction  
The recent updates to the AS4282 standards are still undergoing implementation of comments. A date on the presentation of the new edition of the AS4282 cannot be confirmed yet but will be expected for some time in August or September. The Presentation will be done by Andrew Gale from Brisbane city council and Patrick Rident-Tiercelet from LCA Holdings Pty Ltd

## October

What: Workshop Architectural lighting for building facades and objects.

When: October 2023 | Where: Show technology Pty Ltd | Time: 18:00 to 21:00 | RSVP: Eventbrite

## Qld Chapter Annual Dinner – November 2023

# IES GALA AWARDS DINNER

**DATE: Friday, 10<sup>th</sup> November, 2023**

The IES QLD Chapter is proud to announce we have secured a prestigious venue for our annual IES dinner – Queensland Art Gallery (QAG).

QAG is one of Australia's most visited, ambitious, and dynamic art galleries. Which is home to everchanging exhibitions, immersive culture, experience, and a rich collection of art from diverse cultures across Australia and globally.

You will be surrounded by art works from the Gallery's Australian and international collections, while dining on a three course meal prepared by one of Brisbane's leading Chefs



**Meet at 6:00PM in the Watermall Courtyard for pre-dinner drinks and canapes.**



**Dinning 7:00PM – 10.30PM in the Main Hall.**



### **Ticket Prices**

**Single seat @ \$380.00.**

**Table of 10 @ \$3,500.**

## MEMBERSHIP



**Become a member of IESANZ.  
Join a community of professionals advancing  
the art and science of lighting.**

To become a member of IES: The Lighting Society, a person must first join the Society as an Associate member.

Currently, enrolled students in a lighting or lighting related course can also join as an Associate member with a Student Discount.

If you are an existing member, you can upgrade your membership to higher levels of membership including Technician - Tech IES and Member - MIES.

To upgrade your membership, you will need to log in to the Member Dashboard.

## CORPORATE MEMBERS

[Click on logo to visit](#)

[company's website](#)



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