

Council House Façade in Perth, Photo is courtesy of Pinterest

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: Andrew Chase

Vice President/ Lighting Design Awards: Steve Hare

Secretary/ Annual Dinner: Simon Casagrande

Treasurer: Michelle Knowles

Membership and Education: Quang Tran

Arcus: Majdi Hawari

Luminaire Design Awards: Eric Isdale

Student Liaison/Educators Committee: Gillian Isoardi

Technical Meetings: Michael Davies

Advocacy: Paul Doig, Trent Dutton

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, **Majdi Hawari**, at mhawari@hotmail.com.au

FEBRUARY 2018

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



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PRESIDENT'S MESSAGE

Welcome everyone to the first edition of Arcus for the year and my first message as Queensland Chapter President. I've been on the Chapter Management Committee (CMC) since 2016 and recently I become the Chapter President.

At the CMC, we are about to finalise our first get together technical meeting which will also highlight last year awards for Queensland Chapter in the lighting design and luminaire design categories.

The Lighting society in Queensland is a small but active society where pretty much everyone knows each other. In case you are wondering as an architect, engineer or a professional why you are receiving this monthly newsletter, we have close relationships with other societies who appreciate lighting and work with lighting designers like the Australian Institute of Architects.

To know more about the Illuminating Engineering Society of Australia and New Zealand, please visit our website at <https://www.iesanz.org/>. Fee free to drop us a line or a call.

Lastly, I want to express my sincere sympathies to all Society members for the loss of our life member **LFIES Trevor Caswell**. Trevor passed away on Tuesday 26/12/2017. Trevor contributions to the lighting industry is very significant. His contributions are benefiting the lighting industry in Australia and New Zealand and they will continue to do so for many years to come.

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



Thank you,

Andrew Chase
Queensland Chapter President
qldsecretary@iesanz.org

TRIBUTE TO TREVOR CASWELL

LFIES Member

By Mike Ager (Trevor's Best Friend)

Early Days

I have known Trevor as a much-valued friend and work colleague since 1973. We worked together in the Brisbane City Council Traffic Section between 1973 and 1975. Although not in the same area, I was a street lighting officer aged 27 and Trevor was a young 18 year old cadet draughtsperson. We would often go off at weekends down to the Gold Coast for a swim and a surf together. Trevor in those days was your typical surfer, long blonde hair, tanned, slim, tall and very fit. We all had a ball and were the very best of friends. As I eluded to earlier, Trevor did not work with me, but he did show very early aspirations of being something of a computer whiz kid. Calculators were in their infancy, and computers were only just beginning to be introduced into the workplace. You would always find Trevor showing a great interest in them, so much so, he wrote a "Hangman" programme for us and we would all have a go at playing hangman during our lunch breaks.



FROM LEFT TREVOR CASWELL AND MIKE AGER

In 1975, I returned to the UK to live with my wife Christine and our two young children, Diane aged 3, and Richard, a 3 month old baby, borne in Australia.

In 1987, some 12 years later, we decided to make application to return to Australia to live again. Thankfully, we were accepted! And so, in July 1987 we returned to Brisbane. You can imagine my surprise when I walked into the Brisbane City Council lighting section and found Trevor was the City Lighting Officer running the section. I had no idea! But I was so pleased; and it just so happened he needed an assistant and so everything fell into place for me.

City Lighting – Brisbane City Council

City Lighting had changed dramatically in my absence, everything was now done on computers. Everyone had their own pc, there were no typing pools, and we all did our own letters. Trevor had been very pro-active in my absence. He had taught himself how to write computer programmes. He was solely responsible for introducing software into City Lighting for design, record keeping and accounts. Trevor had also fully developed his very own Street Lighting design program which he called Perfect Lite, which he marketed privately, and which was very successful. This software is used by almost every lighting practitioner involved in street lighting design today. A truly amazing

achievement, when you consider as a privateer, he was self-taught, and up against the likes of Philips, GEC and Thorn.

Trevor is remembered by his colleagues at City Lighting every time they use one of his software, design concepts, documents and methods to maintain the public lighting database for the City of Brisbane.

“ During Trevor’s long career with the City Lighting Unit of Brisbane City Council, he was an excellent mentor to all those who worked with him, passing on his extensive knowledge of lighting and computers. Everyone who has worked with Trevor in the City Lighting Unit will miss him dearly and cherish the time spent with him, and knowledge he passed on to them.” **Michael Schwarz – City Lighting Technical Officer**

“My most endearing memories of Trevor were after he had retired from work. His generosity of sharing his knowledge and sharing of experiences will always be appreciated. His impact on the lighting industry in Australia, especially in relation to Public Lighting (AS1158) cannot be understated and will be felt for years, if not decades.

His acceptance of his illness and the way he got on with his life was inspiring. Not once did I hear a complaint. I don’t think I could have been so stoic. He was a true Gentleman.” **Scott Holland – City Lighting Technical Officer**

[The Illuminating Engineering Society](#)

Trevor was an active committee member of the Illuminating Engineering Society (IES) for many years serving in roles as “Treasurer” and “Papers and Meetings Coordinator.” He was later bestowed the honour of “Fellow” when he became ill and had to retire due to ill health. I always remember seeing Trevor’s name twice on the South East Queensland Electricity Board (now Energex) role of honour board, displayed at our IES meeting place in Taringa. SEQEB bestowed this honour annually, for outstanding achievement, and for a BCC employee to be given this honour I thought was particularly special. Trevor never told me about this, he never boasted about anything he did - he wasn’t that sort of person. He was also awarded several Lord Mayors awards for excellence, for his services to the BCC.

[Illness and Retirement](#)

In 2008 Trevor was diagnosed with Motor Neuron Disease. We were all devastated; how could this happen to such a beautiful person as Trevor? He eventually had to give up work; it had been soul destroying for me seeing Trevor coming into work in the early days of his illness with the aid of a walking stick, and later in a wheelchair. How could this happen to such a fit person as Trevor. Life can be so cruel!

When I later retired, I was determined to try and visit Trevor as much as I possibly could. In the early days when Trevor was being looked after at home by his wife Alison, (and incidentally Alison had to work full time,) Trevor would love to drive his buggy down to the local pub where we would chat, have a drink and enjoy a meal. Eventually it all became too much for Alison, she could not lift Trevor and had to turn him each night with the resultant loss of sleep. Reluctantly, she had no alternative but to find a nice care home for him.

For the past 30 months I have visited Trevor almost every week. It has given me the greatest pleasure to designate one day per week to see Trevor. He has never once complained about his illness, and I told him on many occasions, if this had been me I would have been saying – “Why did this happen to me?” and “What have I done to deserve this?” Trevor is not that sort of person and accepted his fate with the utmost dignity.

Trevor didn't sit idle in his room, putting his time to good use on his computer researching family history on "Ancestry," and helping others in every way he could despite his restrictions. He would fix any problems I had with my laptop by accessing it remotely and I would be fascinated watching Trevor moving the cursor around the screen clicking on this, and clicking on that to correct the system. He wrote me a computer program for all my photographs wherein they were put into date order and I could name them all. I had a small request to change a part of the program on one occasion and Trevor said I will do it now while you are here. He went into the computer program he had written; and to me it looked like hieroglyphics; he kept taking bits out and putting funny symbols in. I was absolutely amazed, and I said to him "Trevor, how on earth do you know what you are doing?" Trevor said, "It's only logic, you would be able to do this if you wanted to." I said "Trevor, I'm telling you now, I would never ever be able to understand that!" Trevor was so humble.

Whenever, I visited Trevor, the priority was a cup of coffee from the coffee shop. He would guide his buggy along there with the utmost precision and without any difficulty, however, in recent months he had not got the control, and I would have to push him to the coffee shop. This didn't deter him in the slightest, my biggest worry was the machine Trevor needed to push air into his lungs falling off his lap and onto the floor. I said to Trevor, it worries me that this might happen or perhaps the battery fails. I said to him on one occasion, "Have you got a spare machine if this one packs in?" He said "Yes, if you open that cupboard door there is a one in there." I found this and said "That's a relief." To which Trevor responded, "The trouble is, I would be dead before you ever managed to get the new machine connected." I said, "Don't say that Trevor," knowing full well he would probably be right.

Right up until the end, Trevor could use his computer with the aid of his mouse. This I feel certain kept him going and kept him occupied. Every time I visited he would be doing something on his computer. He was even investigating the possibility of using the computer by other than the mouse – a system used by professor Steven Hawking I believe, where blinking of the eyes can control the computer. This was never needed.

On many occasions when I visited, there would be other family members there, or work colleagues who I knew, and we would chat about old times, and I know Trevor enjoyed this and appreciated the effort everyone put in. On his final day, Christine and I were invited to see Trevor for the last time by Alison. We had to go in one at a time, and Trevor thanked me for visiting him. He is my Steven Hawking, and always will be!

Mike Ager

26/12/2018

BASICS OF LIGHTING DESIGN COURSE

19th and 20th March 2018

Airport International Motel, 528 Kingsford Smith Drive, Hamilton (Brisbane)

The Lighting Society has introduced a new course for 2018 as an extension to the existing Introduction to Light Course that will be known as IESANZ The Basics of Lighting Design for those seeking further education.

Aims of this Course:

This course is designed to expand on your knowledge of light and teach you about the basics of its designed application. We would expect you to walk away from this course with the ability to talk to your lighting designer with a good basis of lighting design knowledge or take on further study and reading to complete your own 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 would be required for an in-depth knowledge of the relevant Australia Standards

Topics to be covered will include:

Tasks and Australian Standards/Decorative design

Luminaire selection

Maintenance – AS1680.4

Light Sources

Photometric Files

Room Properties

Measurement Planes

Gross error checking

Lighting design software

A Certificate of Completion will also be posted out within 2 weeks of the completion; **however** participants will be required to attend both full days. To enrol in this course, you must have completed either the IESANZ Introduction to Light Course (the current 2-day version or previously offered 3-day course). A basic understanding of lighting principals will be required.

Cost:

Cost per person is \$1300 (inclusive of GST). Payment must be received prior to the commencement of the course – no refund will be offered for last minute cancellation however a deferment is possible.

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.

BENEFIT TO MEMBERS (INSURANCE)



Resilium Business Insurance Public Liability & Professional Indemnity Cover

Public & Products Liability Insurance

No matter what size your business is in Australia, Public and Products Liability claims can run into millions. Resilium Public Liability Insurance protects you, up to a stated limit (selected by you), if a third party sues you for personal injury, including death, or damage to property or advertising injury, as a result of an occurrence in connection with your business and you are legally liable to pay them compensation, anywhere in Australia. Why run the risk?

- ✓ Australia wide public and products liability cover from \$5m - \$20m
- ✓ Cover includes expenses for rendering first aid to others
- ✓ Cover includes legal costs and expenses
- ✓ Cover for third party property in your care, custody or control
- ✓ Products Liability cover is available
- ✓ Fast and easy claims lodgement process
- ✓ You can pay monthly to assist with your cash flow

Professional Indemnity Insurance

Professional Indemnity Insurance covers you for claims arising from allegations that your specialist services or advice caused financial loss to your customers/clients.

- ✓ Legal consultation of up 2 hours
- ✓ Court attendance costs
- ✓ Extended reporting period
- ✓ Cover for contractors
- ✓ Fast and easy claims lodgement process
- ✓ You can pay monthly to assist with your cash flow

For more information regarding the covers available please contact Luke Patrick from Reliable Insurance Solutions on 0477 346 211 or luke@reliableinsurance.com.au

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rubidium light

Here is your chance to join Brisbane's most exciting specialist lighting design firm.

Rubidium Light offers services to clients throughout the building process and from Brisbane to Broome. From highly detailed and complex green-field projects through to sports lighting retrofits, there isn't much to do with lighting design that we don't offer. Rubidium Light is more than just lighting design, we pride ourselves on offering a service experience second to none and knowledge that our clients can only find in one place. We are the inventors and builders of the world's first and only automatic UGV specifically designed for lighting survey.















After recent expansions Rubidium Light is looking for a new team member. We ideally would like to find someone with an interest in lighting design but not necessarily the experience. If you have the desire to learn about the application of light we have the long term role for you. Our team with over 50 years' experience will mentor you through your on-the-job training as well as being supported through formal education opportunities.

There has never been a better opportunity to start or further your career as a lighting engineer.

To submit your application or for more information please contact Trent Dutton on 0400 384 001 or email trent_dutton@rubidiumlight.com.au

CURRENT CORPORATE MEMBERS

Click on logo to visit company's website

<p>DMA Engineers</p> 	<p>Eagle Lighting</p> 
<p>Gerard Lighting</p> 	<p>GM Poles</p> 
<p>Jasstech Solutions</p> 	<p>JSB</p> 
<p>Klik Systems</p> 	<p>Light and Design Group</p> 
<p>LSI Hamilton Lighting Systems</p> 	<p>Lumen8</p> 
<p>Orca Solar</p> 	<p>Versalux</p> 
<p>viv/id</p> 	<p>Webb</p> 

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