



84th ANNUAL REPORT
of the
**ASSOCIATION OF CONSULTING
STRUCTURAL ENGINEERS OF
NEW SOUTH WALES**

to be presented to Members at the
ANNUAL GENERAL MEETING

Tuesday 10 November 2020

Held online via ZOOM

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1. Presidents Report

Looking back at the start of 2020, and if I said I knew what to expect this year, I was horribly wrong! Whilst we (and the rest of the world) are still trying to figure out what the “new normal” might be or trying to resume some level of “normality” in this post COVID-19 affected environment, the ACSE continued to actively engage with and promote the consulting structural engineering community. A very special and big thanks to the active Board members who volunteer their time to the association, as this would not have been possible without your commitment and generosity.

Together as a Board, we have had to adapt the way we work this year and would like to congratulate our achievements as we look back on another eventful year. Whilst “face to face” events were cancelled, we have been able to pivot our events into a virtual environment via “Zoom”. We continue to get high engagement from the industry at our monthly pub seminars, introduced mini “Lunch and Learns” for our industry partners and are even trying our hand at a virtual annual Awards night in December! We have also been able to launch a number of new initiatives this year such as

- Women in Structural Engineering (WISE) network and virtual forums
- Associates Network meetings and representation on Board (following on from our launch of the associate membership in 2019)
- University engagement with Sydney University, UTS and Western Sydney University

The Board continued to take a conscious and targeted approach this year to align the association with sponsors with whom we can have a meaningful partnership. This meant continuing our relationships with our valued and trusted sponsors who have been so generous in supporting the association over the years, and also reaching out and forming a new partnership with Ramset Reid.

We were also able to engage with the Building Commissioner’s (BC) office on the recent legislation changes associated with the “Design and Building Practitioners (DB&P) Act”. This act will have significant impacts to the structural engineering industry when it comes into effect from July 2021 and we are keeping our members abreast and updated in our engagements with the BC’s office.

Next year the ACSE is excited to welcome two new Board members, who will continue to provide fresh and exciting ideas alongside our continuing Board members. We will see the retirement of Stephen Giblett and Andrew Simpson from the Board, both long serving members of the Board at 6 and 9 2011 years respectively. Andrew has also served in all office bearer position during his 9 years. We sincerely thank both of them for their efforts and contribution to the Board.

Finally, from all of the Board, we would like to extend a huge thank you to Chloe Wyatt, who is the machine behind the ACSE and keeps it running smoothly and efficiently.

It has been an honour and pleasure to serve the Board and the association for a second year running and I will be stepping down at the end of this year. I will continue as a Board member and will be passing on the reins to the next incoming president, Ali Habibi. I am sure he will continue to build on the 85 years of momentum generated by the association, and I wish him all the best.

Joyce Lee

November 2020

2. Administration

Since the last AGM in November 2019, the Board of Management has met each month, except for the month of January. In April 2020 the Board meeting were moved online and held via TEAMS due to Covid-19. The meetings were also moved to the second week of the month rather than being held before the Pub Seminar due to the child caring lock-down responsibilities of our Executive Officer.

Board of Directors 2019 - 2020

Stephen Giblett	Ali Habibi
Nishmin Hallam	Matt Harding
Mick Jaroszewicz	Joyce Lee
Paul Moore	Alison Naimo
Andrew Simpson	Steven Wong

Office Bearers 2019 - 2020

<i>President</i>	Joyce Lee
<i>Vice President</i>	Ali Habibi
<i>Treasurer</i>	Steven Wong
<i>Company Secretary</i>	Andrew Simpson
<i>Executive Officer</i>	Chloe Wyatt

Election of the Board for 2020 - 2021

At the 2020 Annual General Meeting Andrew Simpson and Stephen Giblett will retire from the Board.

Nominations will be raised for new Board Members:

Andrey Kandic
Nick Reichinger

Nominations for remaining Board Members will be raised for:

Ali Habibi	Nishmin Hallam
Matt Harding	Mick Jaroszewicz
Joyce Lee	Paul Moore
Alison Naimo	Steven Wong

Proposed Office Bearers for 2020 - 2021

<i>President</i>	Ali Habibi
<i>Vice President</i>	Paul Moore
<i>Treasurer</i>	Steven Wong
<i>Company Secretary</i>	Steven Wong
<i>Executive Officer</i>	Chloe Wyatt

3. Membership

Currently there are 107 Senior members, 16 Associate members, 13 lifetime members and 3 retired members.

Robert Bird Group and Mott Mac continued their Annual Training Partnership.

Annual Subscriptions

Membership renewal invoices were issued in July 2020. Approximately 20% of fees are outstanding. Annual fees were scheduled to increase but due to Covid-19 the Board agreed in May to hold off on any increases to fees until after the pandemic.

New Members

The Board continues to promote the benefits of membership of the Association. In 2020 applications were accepted from 7 new Senior members as well as tentative acceptance of 5 new Associate members.

The new Senior members are:

Andrew	Johnson	Arup
George	Khalil	Acses Engineers
Max	Kraus	Mott MacDonald
Tony	Lavarato	Aurecon
Scott	Clemmett	Woolacotts
Kevin	Mongrey	SDA Structures
Brad	Seghers	Northern Beaches Consulting Engineers

The new Associate members are:

Chinthana	Bandara	W&G Engineers
Prakash	Giri	Grid Drafting Services
Natalie	O'Brien	Meinhardt Bonacci
Martin	Folan	TTW
Daniel	Christie	Aline Consulting Engineers

The new Life members are:

Richard Kell
Mike Haysler
Eric Smith

4. Events

MONTHLY - Engineering in the Pub

These events are free technical and project-based presentations held on the first Tuesday of every month at the Occidental Hotel in Sydney CBD, with. Engineering in the Pub offers a relaxed format with an open bar and hot chips allowing structural engineers to learn from experts and socialise with their peers.

These events are usually fully booked (160 registered guests with up to 100 max in the venue) with audiences of junior and senior structural engineers as well as the wider structural engineering community.

From May onwards, they were moved online due to Covid 19 restrictions. ZOOM is our preferred online event platform, allowing us to host up to 300 registered guests. We also replaced October's Pub Seminar with a Members Forum on the new Design and Building Practitioners Act.

The 2020 presentations were:

Date	Presentation	Registration
Tues 4 Feb	<i>Emerging Engineer of the Year' winner 2019</i> - Nicholas Boey, Northrop Engineering	137
Tues 3 Mar	<i>Women in Engineering IWD Panel</i> - Kaitlyn Davidson, Built Isabel Duffy, Northrop Engineering, Sasha Kovic, Roberts Pizzarotti.	107
Tues 7 April	Postponed due to Covid 19	-
Tues 5 May	<i>Smalls Road Public School</i> - Ravee Sellathurai, Associate Structural Engineer, SCP Consulting	117
Tues 2 June	<i>Practical consideration of finite element analysis of reinforced concrete structures for design engineers</i> - Emil Jankulovski, Director, Inducta	257
Tues 7 July	<i>Steel reinforcement manufacture, types, processing, quality, welding and support</i> - Eric Lume from SRIA	137
Tues 4 Aug	<i>Design and Building Practitioners Act: New rules for the construction industry in NSW</i> - Carrie Metcalfe, Partner, MinterEllison and David Chandler OAM, NSW Building Commissioner	266
Tues 8 Sept	<i>Centrepoint Tower</i> - Elvin Candra, Principal Structural Engineer, Arcadis	169



International Women's Day Panel: Nishmin Hallam, Kaitlyn Davidson, Isabel Duffy, Sasha Kovic

Thursday 5 DECEMBER 2019 – Christmas Trivia

The event was again held at The Two Wolves and was a very successful evening.

Attendance: 93 people attended

13 teams representing 9 member firms, 1 non-member firm and 1 industry partner



Winning Trivia Teams from SDA Structures and Acor Consulting

Tuesday 12 FEBRUARY - Lawn Bowls

This friendly game of barefoot bowling for member companies and sponsors is held at The Greens, North Sydney. The Board agreed to look for another venue for the next Lawn Bowls event as the catering and green fees have become quite expensive and the cost could be prohibitive to some members.

Attendance: 35 people attended
9 teams representing 7 member firms and 3 industry partner firms.

Thursday 19 MARCH - Annual Awards for Excellence in Engineering – POSTPONED

The awards recognise and celebrate the role of Structural Engineers in NSW and their contribution to the built environment as well as acknowledging individuals in people-based categories.

The ACSE Annual Awards were scheduled at L'Aqua at Cockle Bay Wharf but due to the Covid-19 restrictions had to be postponed at the last minute. The presentation event is due to be held will be held at Mott McDonald and on ZOOM as a hybrid live online event on **Wednesday 2 December**. In 2021 the awards will now be held at the end of the calendar year.

This year Category Sponsors again supported the ACSE Awards Night. (Detailed below)

Attendance: to be confirmed
Submissions: 22 project nominations and 7 people nominations.

Judging Panel 2020:

- Joyce Lee - President, ACSE NSW
- Prof. Brian Uy - Head of School of Civil Engineering, University of Sydney
- Greg Ewing – General Manager, Engineers Australia - NSW & ACT Division
- Andrew Nimmo – NSW Chapter President, Australian Institute of Architects
- Tim Hogan – 2019 Gold Medal Winner
- Trudy Myers – Retiring ACSE Board Member

The Award nominations:

Large Building Projects – sponsored by Penetron

- Bankwest Stadium, Aurecon
- University of Wollongong, Robert Bird Group
- Blacktown Hospital stage 2, Robert Bird Group
- Sydney Metro Northwest Stations, Mott MacDonald
- Sydney Coliseum Theatre, TTW
- Phoenix Art Gallery, TTW

Medium Building Projects – sponsored by AFS Systems

- Ken Rosewell Arena Redevelopment, Arup
- Smalls Road Public School, SCP Consulting
- Joan Sutherland Theatre Accessibility Upgrade, Arup
- Campbell's Stores, TTW
- Wildlife Retreat at Taronga Zoo, TTW
- HMAS Platypus, SDA Structures

Small Building Projects

- Whale Beach House Partridge
- Balmain House Partridge
- Extruded House SDA

Unusual Projects - sponsored by Xavier Knight

- UTS Sunshade & Operable Louvres, Partridge
- Pyrmont Bridge Restoration, Robert Bird Group
- Wynyard Place - Shell House, TTW
- Powerhouse Agora, SDA Structures
- The Ribbon Hotel - Tie Floors, Bonacci Group

Junior Engineer of the Year

- Nicholas Smith, Robert Bird Group
- Rishale Lu, SCP Consulting
- Jeff Chen, Aurecon

Female Engineer of the Year - sponsored by Planned Cover

- Aubrey Bullen, Robert Bird Group
- Ruba Trim, Bonacci Group
- Siobhan Tapia-Smith, Aurecon
- Emma Buis, TTW

Gold Medal Award – Eric Smith

SEPTEMBER, Pool Night - Cancelled due to Covid-19 restrictions

OCTOBER, Annual Golf Day - Cancelled due to Covid-19 restrictions

Tuesday 10 NOVEMBER – Annual General Meeting

The Annual AGM will be held at Mott McDonald and on ZOOM as a hybrid live online event.

5. Education

University Engagement

There were no guest lectures this year.

The ACSE Board decided to reach out to the heads of Faculty at each of the major Sydney universities to invite them to a discussion about how best to facilitate engagement with them and their students. This discussion was held in August 2020 and will be reported in the next Annual Report.

High School Careers Presentations

The Board have not carried out any formal presentations this year.

The Associate Network will be managing High School engagement next year.

6. Advocacy and Industry Engagement

Standardised Certifications Project

This project has evolved from last year and we have had the opportunity this year to provide ACSE endorsed standard certificates to the Building Commissioner's office for feedback as part of the D&BP Act Roundtable engagement process with industry. ACSE representatives were involved in 2 of the roundtables and we provided detailed feedback to a series of questions

posed by the Building Commissioner's office to various industry stakeholders. We are awaiting further feedback on next steps of engagement and anticipate that there may be further targeted stakeholder consultation in December 2020 / January 2021. The regulation is currently out for public consultation.

We will continue to communicate with our members further updates once we receive further information. The Board has created a sub-committee consisting of Matt Harding, Mick Jarosszewicz, Andrew Simpson and Joyce Lee for this.

Women In Structural Engineering (WISE) Network

We launched our *Women in Structural Engineering Network* by starting quarterly discussion groups. The first was a panel discussion on the topic of

How has Covid-19 changed the landscape of flexible working arrangements?

This was a great conversation focusing on the challenge's women face in regard to flexible working arrangements and being the primary carer of their children. 76 people registered.

The aim for post Covid is to build this network with social networking events in addition to the discussion groups.

7. Practice Papers

The ACSE has not developed or published any new practice papers this year. The Associates Network will undertake a review and updates next year.

8. Finance

The ACSE have returned quarterly Business Activity Statements, using cash Transaction Reporting. The Association maintains a term deposit and a transaction account.

Financial Position

The ACSE maintains a term deposit and a cheque account with these balances at 30 June 2020:

Current Account = \$16,499

Term Deposit = \$64,914

Financial Summary for year ending June 2020

Total Income	\$89,788
Total Expenses	\$84,710
Profit / Loss	\$5,078

Financial Reports

The full financial report is available on request as a separate document and includes:

- income statement
- balance sheet
- notes to the statement
- director's declaration
- complication report

Industry Partnerships

Annual Industry Partnership agreements were issued at the start of the financial year.

The 2020/2021 Industry Partners are:

- Ultrafloor \$4,750
- Penetron \$4,750
- Constructive Recruitment \$4,750
- AFS \$4,750
- Inducta \$4,750
- Peikko \$3,750 (reduced introduction price)
- Ramset Reid \$2,375 (Jan – June)

New Industry Partners Meet & Greet Breakfast was introduced in August 2019, to improve engagement between the Board and our Partners.

After we moved our events online due to Covid-19 we developed a new opportunity for industry partners to compensate for missing out on the face-to-face networking opportunities at live events. The Lunch and Learn series ran every Thursday lunchtime in June with a different partner presenting each week to showcase their products and services. The other four partners will present their Lunch and Learn sessions in November.

8. Charity Partner

The charity partnership with Partner Housing was established in 2017 and ACSE supports this organisation by recruiting pro-bono volunteers and promoting their work where possible.

Partner Housing Report to ACSE

The period 2019-2020 has indeed been both challenging and productive. Australia has been gripped by drought, bushfire and flood, our region has been devastated by cyclones and the world has been paralysed by COVID19. Yet through it all, Partner Housing has managed to continue delivering pro-bono professional services and provide funding for significant building construction and water reticulation projects in the South Pacific. This a testament to the dedication of our supporters and volunteers, who work tirelessly to bring health and safety in the built environment of our region



ACSE (NSW) and Partner Housing responded to the NSW Bushfire disaster by facilitating communication between seventeen people requesting pro-bono engineering assistance and a number of ACSE member companies who have offered to provide such assistance. Their contribution at this time of great distress is greatly appreciated.

Vision for Homes (our not-for-profit community-based-organisation partner) has completed the construction of the 93 m² Umi Community Health Building in the PNG Highlands. Despite COVID19 complications design and construction took only four months – March to June 2020. This aid post is fully funded by Partner Housing reserves (including additional private donations). We visited Mt Hagen in late February to provide training and supervision of the DANCER Building System. Three other volunteer groups (including two ACSE member companies) are now providing assistance to advance the DANCER system, and their generous support is both acknowledged and appreciated. This includes pricing the standard DANCER buildings, preparation of 3D CAD drawings for the DANCER Manual, desk-research to extend the derivation of cyclonic wind, earthquake, tsunami and other loads across the South Pacific.

Partner Housing thanks ACSE, its Board and the member companies for your on-going support.

9. Annual General Meeting 2020 - Order of Proceedings

1. **Presidents Welcome:** Joyce Lee
 - Welcome & Apologies
 - Confirmation of the 2019 AGM minutes
 - Matters arising from the minutes
2. **Summary of the Annual Report:** Joyce Lee
3. **Financial Summary:** Steven Wong
4. **Membership Matters:** Steve Giblett
 - Presentation of **New Members – Associates**
 - Presentation of **New Members – Seniors**
 - Announcement of **New Life Members**
5. Election of the **2021 Board**
 - Acknowledgment of retiring board members
 - Nominations for new board members
 - Appoint office bearers
6. **General Business**, open the floor to members to submit matters for consideration
7. **Conclusion**