

## **ACSE Awards 2019 – Judges Citations**

**Judging Panel 2019:** Joyce Lee - 2019 President, ACSE NSW  
Dick Kell - 2017 Gold Medal Winner  
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  
Todd Halliday – Retired ACSE Board Member

### **Small building projects category (less than \$8million)**

Mosman House, Partridge

The Portico No. 1 Martin Place, Partridge

Marsden Park Amenities Pavilion, SDA Structures

Seed House, TTW

#### **Emmanuel Synagogue, TTW (WINNER)**

- The innovative and smart steel design solution demonstrated a simple yet elegant solution for this building, including unique fabricated triangular box sections
- Unique prefabricated triangular box sections were used to maximise efficiency and meet the clear space requirements.
- An elegant structural solution that highlights the nature and suitability of steel as a lightweight finely tuned solution. Another example of structural engineer and architect working together on a joint design outcome.
- love the steel detailing, its simplicity and effective.

### **Medium building projects category (\$8million - \$50million)**

Inglis Selling Centre, Northrop Consulting Engineers

Our Lady of Assumption, TTW

#### **Anzac Memorial Centenary Project, TTW (WINNER)**

- Everyone liked the oculus, which talks to / reminiscent of the World Trade Centre
- liked the heritage value, adaptive re-use and use of materials
- Beautiful example of the structural engineer and architect working together to achieve a significant design outcome.
- The structural solution is not concealed but is front and centre of the design solution and the outcome is all the richer for it.

- This project is particularly unique and posed interesting challenges to the design team that required innovation yet simple structural engineering principles. Working with the architectural intent, smart solutions that involved cantilevers and backspans improved efficiency of the structure whilst at the same time showcased the architecture of the oculus

### **Large building projects category (over \$50million)**

*Note that this was particularly hard to judge as all nominations had many merits and the judges scoring was very close*

Westconnex M4 East: PRVF Building, Arcadis

Forensic Medicine and Coroners Court complex, Cardno

One30 Hyde, Bonacci Group

ANU Union Court Redevelopment, Robert Bird Group

### **Omnia, Potts Point, Northrop Consulting Engineers (WINNER)**

- This submission provided detailed insight into the unique structural challenges for the project, and is a deserving winner as it met the requirements of the awards in all aspects including sustainability
- Tops marks for sustainability and the reuse of an existing landmark structure. It is much harder to repurpose and existing building than to knock down and start again.
- The repurposing has not constrained the end result and it looks like a new building. The architecture & structural engineering are cohesive and inseparable
- I chose this for its adaptive re-use/sustainability and for the rail tunnel
- Now that Omnia is complete, it is easy to forget that it is built around the existing, though heavily modified, Crest Hotel. The solution appears seamless and fresh as though constructed from scratch. However, this has been achieved through the complexities of working with and modifying an existing structure, the eastern suburbs railway tunnel directly under, and a challenging architectural solution. The outcome is a new landmark for 'The Cross'.
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### **Unusual Projects category**

*This was a unanimous and clear winner but the judges felt the high commendation was worthy & important to acknowledge*

The Sprinter Relocation, Bureau SRH

Greenland Centre, Robert Bird Group

### **UTS Central Stairs, Bonacci Group (High Commendation)**

- The repeated DNA in the double helix.
- Its one thing to draw and design but the complexity of creating and making it look good from all angles is very rarely achieved
- A complex steel project
- Designed to be a central feature of the building, the structural resolution of the stairs was critical as all aspects would be on display. Add to that the significant difficulties of fabrication and installation, and it is clear that the structural engineers have worked extraordinarily well to achieve the beautiful outcome.

### **Three Capes Track, SDA Structures (WINNER)**

- Very unusual and photogenic
- Simple domestic timber structure to fly in was a great solution
- Location & environment were undisturbed
- No compromises made to the quality & luxury despite environmental limitations
- The sensitive site, difficult access and sustainability wins this one.
- Complex site and installation processes
- The challenges and complexities within this project are not the everyday – the requirement to prefabricate and drop in place the building pods and the environmentally sensitive site could easily have rendered this project unviable. However the outcome appears simple, calm and beautiful.
- This project demonstrates how unusual it is - the structural engineering was simple, but the constraints and project brief faced by the design team made it a clear choice for winning.

### **Female Engineer category**

Sadia Saleh, Senior Structural Engineer, Bonacci Group

Alison Naimo, Senior Structural Engineer, Mott MacDonald

**Natalie O'Brien, Senior Structural Engineer, Bonacci Group (High Commendation)**

- Natalie has demonstrated leadership for her promotion of STEM at Ruyton Girls' High School and for her humanitarian engineering work. She was part of the team that provided design advice and fund raising for the construction of a school for orphans in Kenya.
- She also acts as a role model to her peers and younger engineers within Bonacci group, giving regular internal technical presentations and setting a positive example to them.
- She is also a member of UK IstructE which is a notable achievement and has worked on some notable projects such as the Ribbon and the Victorian Comprehensive Cancer Centre.

**Isabel Duffy, Associate Structural Engineer, Northrop Consulting Engineers (WINNER)**

- Clearly has very strong leadership qualities
- Undertakes lots of professional activity outside the workplace
- Isabel has shown strong leadership and commitment to act as role models for her peers and others in the industry. I would like to commend her for her vision.
- taking lead roles on major projects such as Wonderland at Central Park, Urbanest Darling Square and 118 Mount Street in North Sydney.
- Best elucidated leadership aspects in her role
- Future leader and promotes engineering for women.

**Junior Engineer category**

Rinay Singh, Cardno

Daniel Setioso, Bonacci Group

Angela Ho, Mott MacDonald

**Karina Siems, Arcadis (High Commendation)**

- Karina has Great diversity in structural projects experience including commercial, health and infrastructure projects such as Northern Beaches Hospital, Westconnex 1B and working with Mirvac on 275 Kent Street
- She was also a High achiever during university winning various awards, showing great leadership potential
- She has also shown leadership qualities in her current role, managing teams and project delivery to clients

**Nicholas Boey, Northrop Consulting Engineers (WINNER)**

- Nick has demonstrated that in his limited years of experience, he has shown tremendous leadership qualities and aspirations.
- seems to be advancing quickly with good initiative

- Very large amount of experience in such a short time frame
- diverse attributes, from technical, innovation and creative design
- very young to already be an Associate