

ACSE Awards 2022 - Judges Citations

Small – Medium Building Projects

WINNER - Loreto Kirribilli Innovation Centre, Northrop

- This project overcame a number of significant challenges for a multipurpose building on a difficult site, which was 'live'.
- The fact that the school was in use the whole time meant that attention needed to be exercised with respect to safety of school children and site access.
- This was an interesting project with multiple facets – nice architecture and the integration of existing and old buildings.
- The engineering demonstrated some innovative use of bowstring trusses.
- The promotion of STEM for the students within the school was a nice touch.
- A well planned and executed project with innovative elements.

HIGH COMMENDATION - St Andrew's Church Hall, Robert Bird Group

- This was a fascinating project, that was a portion of a much bigger development, where an historical church had to be supported to allow an excavation to be carried out below.
- There were significant complex challenges in preserving a historic façade.
- The challenges of heritage work are always hard.
- This project shows a complete understanding of the pitfalls in underpinning a brittle building and re-supporting it.
- The engineering skill involved is considerable as any mistakes could be catastrophic.
- A very well-developed design.

Large Building Projects

WINNER - Quay Quarter Lanes, SCP Consulting

- This was a very intricate project with many challenges in the structure and the geo-technical elements.
- The need to address many heritage challenges made this a very tricky project

- The judges were impressed by the resolution of the structural elements.
- Any project that features heritage buildings, new structure, the Bennelong Drain and the GPO fault line is bound to be interesting!
- This project is very well thought out and shows exceptional engineering skills.

HIGH COMMENDATION - Sydney Football Stadium, Robert Bird Group

- Innovative structural engineering approaches were used in temporary works.
- This is a project that most structural engineers would give their eye teeth to be involved with!
- The understanding of the complexity of structure is exceptional.
- The project demonstrates intricacy in the design however the solutions are not new.
- The various techniques involved, indicate an in-depth technical knowledge of construction of the warped toilet seat structure.
- Working closely with the contractor indicates a confidence between both parties enabling them to ensure a successful conclusion of a wonderful project.

Sustainable Structures

WINNER - The National Herbarium, SCP Consulting

- This is a really interesting and complex project.
- The requirement for temperature and humidity control is very important when storing seeds which can be hundreds of years old.
- The National Herbarium's use of rammed earth structurally and as thermal mass was clever, and carries significant sustainability benefits
- The project's persistence to use locally sourced rammed earth and their willingness to do fine testing in order to use unfamiliar materials was very pleasing to see.
- Passive features were used to minimise mechanical cooling and the roof design maximised natural ventilation.
- The combination of rammed earth, the large fly roof and more conventional solar panels really set a high standard for sustainability.
- Wonderful to see old forms of construction being reinvigorated in a modern corporate context

Female Engineer of the Year

WINNER – Casthuri Kamalaraj, Partridge

- Both nominees are extremely talented and dedicated to the profession.
- Casthuri has an impressive range of experience and has overcome many hurdles in her development.
- She has held significant roles in design and mentoring.
- She volunteers with skilled migrants and commits significant involvement with CALD groups
- She is competent, confident, capable, amiable and collaborative.

Emerging Engineer of the Year

WINNER – Matt Keen, Northrop

- Again, both nominees are very worthy participants.
- Matts has acquired significant experience working on big and complex projects.
- Matt is an exceptional talent, and it is really pleasing to see young graduates like this coming through the firms.
- He has held significant roles in design, technical leadership and mentoring.