



ACSE Awards 2021 - Judges Citations

Small Building Projects

WINNER - Lavender Bay House

- A magnificent structural solution for a very complex project.
- The use of concrete, plywood shells and floating structures is impressive
- Difficult site with many constraints
- Huge work to create a lot of living space and achieve aesthetics that are lovely
- Great collaborative relationship with engineers & architects to stretch the boundaries of what is possible
- Unanimous decision
- I wish I lived there!!!

COMMENDATION - Smart Design Studio

- Lots of detailing to ensure the architectural intent was represented.
- Respectful use of brick and demonstrates an evolution of our relationship with brickwork - pushes boundaries using an old form in a new way.
- Extensive collegiate research went into brick arches
- Beautifully resolved.
- An interesting redevelopment of an existing saw tooth warehouse.
- Testing carried out at UTS.
- Cantilevered cable stayed stairs were quite unique.

Medium Building Projects

WINNER - Little National Hotel

- The addition of 10 extras floors over an existing building over Wynyard Station was always going to be interesting.
- TTW designed a transfer system which although looking complex was in fact smartly simple.
- Very nice design that achieved a lot in a difficult site
- Great use of the steel structure
- Resonated with every judge

Large Building Projects

WINNER - Locomotive Workshop

- Demonstrates a respectful response to heritage fabric, breathing new life into old structure.
- This is an interesting project where additional facilities are built into the Heritage Listed Everleigh rail sheds yet need to be able to be removed without causing damage.
- The engineering shows a smart sympathetic look at reuse of existing structure as well as design of new to compliment the old.
- This is a very clever project.
- Great sustainability - preservation over replacement

COMMENDATION - Substation 164

- This is an excellent example of structural engineering supporting and working with the architect and client to produce an outstanding building.
- Demonstrates a marriage of heritage and ingenuity, with an elegant solution

COMMENDATION - Crown Sydney

- This highly visible project in a tight contaminated site required an engineering practice capable of designing and understanding a range of complex construction issues.
- Top-down construction was really the only way to go. This is a superb example of structural engineering.
- Significant construction constraints.
- It was challenging for engineering the sub structure
- The differential shortening was impressive.

Unusual Building Projects

WINNER - Floating Design Store Staircase

- A fascinating story of reworking a French architectural design to meet Australian requirements. This involved a structural redesign and calculations into the dynamic behaviour with TMD's and constructibility
- An incredibly complex job
- The floating design presents tricky dynamics – it takes time to get it right and make it workable. Staircase's bounce!
- Looks fabulous & non-engineers wouldn't know how it can be done.
- The way it unwraps at the high level is impressive, as is the layering of timber.

COMMENDATION – Granville Park

- Connections designed by others with a very nice structural solution.
- The timber & sustainability speaks volumes about care that can be given to a building.
- A bigger scale holistic project, with an elegant solution
- It was a challenge to make it cost effective with the use of timber.
- It is special and drives a sustainability solution.

Female Engineer of the Year

WINNER – Emily Chung

- An exceptionally skilled engineer with a strong human side.
- She is a contributor to welfare work overseas with engineers without borders and leads TTW's exposure to worthy needs
- She lectures at Sydney Uni.
- Her international exposure in Nepal & PNG adds to her ability & strength for future working relationship
- She is competent, confident, capable, amiable and collaborative,

Emerging Engineer of the Year

WINNER – Mitchell Ryan

- Mitchell is currently running teams and managing a wide array of complex projects.
- Mitchell has progressed into mentoring, leadership, engagement with ACSE and assisting at Sydney Uni.
- He is a quiet achiever and a very impressive young engineer.