

# AUSTRALIAN STEEL INSTITUTE

## UNDERGRADUATE STEEL DESIGN AWARDS

*The Australian Steel Institute (ASI) is pleased to announce the winners of the 2022 undergraduate steel design awards. Sponsored by the ASI each year, the awards recognise students across the country who have achieved the highest grade in their third year steel design subjects. The awards play a vital role in fostering the next generation of architects and engineers.*

Each year, the Australian Steel Institute (ASI) offers awards to the students who achieve the highest grade in their third year steel design subjects at Australian universities across the nation.

Students are assessed by their own university based on the results of their steel related subjects. The winning students receive an eLearning voucher, so that they can take advantage of the ASI's diverse range of online courses.

According to ASI Chief Executive, Mark Cain, "The ASI's Undergraduate Steel Design Awards play an important role in building a relationship with the next generation of engineers and architects. These high performing students usually go on to be employed in design or engineering positions with high profile engineering consultants due to their academic ability."

"As the nation's peak body representing the entire Australian steel supply chain—from the manufacturing mills right through to end users in building and construction, heavy engineering and manufacturing—it is vital that we foster the academic and professional careers of these individuals."

"In the future, these students may be in a position to influence a decision to use steel in a structure due to their familiarity with steel design. It's important that the next generation does not perceive steel design as a difficult process. Through initiatives such as these awards, the ASI is

helping to provide tools and education to promote the use of steel in Australia," said Mark.

"Supporting the work of Australian universities is also important. Universities are hotbeds of innovation and entrepreneurship. They help provide students with the skills to compete in increasingly global workplaces and shape the minds of the future."

The ASI would like to congratulate all of the winning students for 2022:

- Bendigo Kangan Institute: Phillipe Noel
- James Cook University: Christopher Konidis
- University of New South Wales (UNSW) Sydney: Chang Chen
- University of Sydney: Toby Hoggett
- University of the Sunshine Coast: Patrick Adams
- Monash University:
  - Jeffery Dean Fong
  - Liam Craig White
  - Taylor Poon
- Western Sydney University: Kuer Duot
- CQ University: Sean Kerlin
- University of Technology Sydney: Hussein Daoui

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## STUDENT PROFILE: KUER DUOT

Kuer Duot won Western Sydney University's 2022 ASI Undergraduate Steel Design Award.

According to Kuer, her decision to study a Bachelor of Engineering (Honours) (Civil Engineering) was an easy one to make. "I actually didn't know what to study, but my sister suggested engineering. I'm a very curious person. I want to know how things work, and I love mathematics."

"I majored in civil engineering, and with this course, I had the opportunity to learn about the engineering behind just about everything—not just roads and building. I was also able to study sustainability and risk engineering, which will help us in the future. This is what I love about the course—it's practical."

"This semester I am completing my thesis, which is a practical project that I'm working on with my supervisors. We're analysing a new flooring system, which is a steel deck that can reduce the height of a building. The steel decking features cavities, through which services and cables can be run, which is relatively new within the moment. We're looking at the structural behaviour of the decking."

"Steel is very light to use, sustainable, and saves time during construction. It will be a very useful material in the future."

"Winning the ASI Undergraduate Steel Design Award meant a lot to me. At first, I was very confused about what I wanted to do when I graduated. Now, I know I want to do steel design. I want to become a structural engineer," said Kuer.

## ENGINEERING AT WESTERN SYDNEY UNIVERSITY

Western Sydney University's Bachelor of Engineering (Honours) is a four year full-time undergraduate engineering program. The program is designed to meet Engineers Australia professional accreditation requirements – Competency Stage 1 Professional Engineers, and Australian Quality Frameworks (AQF) Level 8.

Students have opportunities to choose a discipline area by selecting a major in Advanced Manufacturing, Civil,



Professor Mike Kagioglou (Dean of WSU's School of Engineering, Design and Built Environment) and Kuer Duot.

Construction, Electrical, Materials, Mechanical, Robotics and Mechatronics, and Sustainability Engineering. In addition, students can specialise by selecting one minor that will complement their chosen discipline. Meanwhile free elective subjects help students broaden their learning by developing knowledge and skills from other disciplines and professional fields for the future.

Students can also apply their program knowledge to fascinating, real-world challenges, such as Western's ongoing Solar Car project, Formula-SAE project and Unlimited Robotics Club. Plus, at the end of their third year, students complete a 12 week work placement, to finish their studies with real-world experience.

## FREE ASI MEMBERSHIP FOR STUDENTS AND ACADEMICS

Did you know that the ASI offers free memberships to both students and academics?

If you're not already an ASI member, take advantage of this opportunity today.

### Student Membership

Student membership is available to full-time students who are studying subjects such as engineering, architecture, construction and welding at universities and TAFEs in Australia.

What's included:

- Full access to online eLibrary
- Member discounted rates for all bookshop purchases (limit one copy per publication)
- Member pricing for all events and webcasts
- Special discounted student rates for all eLearning courses
- Regular industry updates and newsletters

### Academic Membership

Academic membership is available to lecturers in engineering, architecture or construction at Australian universities and TAFEs offering courses that further the steel industry as part of its curriculum. Academic members can benefit from the library service for teaching aids and assistance with guest lectures from State Managers as required.

What's included:

- Full access to online eLibrary
- Borrow hard copy books from library
- Member discounted rates for all bookshop purchases
- Member pricing for all events and webcasts
- Discounted member rates for all eLearning courses
- Member only exclusive offers with selected partners
- Regular industry updates and newsletters
- Opportunity to vote at the ASI's AGM

For further details, contact [membership@steel.org.au](mailto:membership@steel.org.au)

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