



ENGINEERS
AUSTRALIA



Minerals

Post Press Release

Warman Design and Build Competition 2017 National Final Winners save the mythical planet of Gondwana.

30th Anniversary of the legendary student competition took place in the Powerhouse Museum in Sydney

First and second year mechanical engineering students from universities across Australia, China, Malaysia and New Zealand came together to compete in the National Final of the 2017 Warman Design and Build Competition. The competition was held on 14-15 October 2017 at the Powerhouse Museum in Sydney.

The Warman competition has been proudly sponsored by Weir Minerals and organised by Engineers Australia for 30 years.

The competition provides students with a rare opportunity to practice hands on engineering design skills. Students also participate in a site tour of Weir Minerals and walk through the full production cycle of a leading global engineering company specialised in the design and manufacture of highly-engineered products and services for minerals, oil and gas, and power industries.

90 of the brightest students from 18 universities competed over the two days. These included Central Queensland University, Flinders University, Griffith University, Monash University Clayton, Monash University - Malaysia, Queensland University of Technology, RMIT University, Shandong University – China, University of Adelaide, University of Auckland - New Zealand, University of Canterbury - New Zealand, University of Melbourne, University of Newcastle, University of South Australia, University of Southern Queensland, University of Tasmania - Australian Maritime College, University of Technology Sydney, UNSW Canberra at ADFA. This year marked the first time a university from China was represented at the competition.

Approximately 2,400 students are involved in the program each year with 15-20 teams competing in each university to win the chance to progress to the National Final in Sydney.

Students had to plunge into the atmosphere of a fantastic thriller as the competition required them to build a mechanical system to support secure and sustainable supply of concentrated Uranium ore in the form of hard crystals mixed with rocks under supervision of the Gondwanan Mining Agency. On 29 previous visits to Gondwana engineering students have rendered invaluable assistance with such engineering problems, and on this thirtieth occasion the Gondwanans again sought help from these budding engineers from Earth.

On competition day, the tension and excitement from the teams and amongst the crowd gathered to watch was palpable. Overall, most of the teams scored at least one perfect delivery so the standard of designs was exceptional, as was consistency at the top end. There were very few malfunctions or crashes, much to the disappointment of the crowd.

2017 Warman Design and Build Competition National Final winners:

First Prize: University of Canterbury, New Zealand

Second Prize: RMIT University, Australia

Third Prize: University of Adelaide, Australia

Weir Judges Award: Monash University, Malaysia

NCED "Best Design" Award: University of Auckland, New Zealand

We invite and encourage even more Universities from Australia and other countries to participate in the Warman Design and Build Competition in 2018.

Please contact engpracawards@engineersaustralia.org.au for further details.