

ANU World Solar Challenge

OCTOBER | 2016

NEWSLETTER ANU



From the Team Lead:

ALAN BABAEI

We are nearing the end of 2016, and have made enormous progress over the last few months. With over 30 undergraduate students actively engaged in the program on top of their coursework, as well as 7 projects integrated into courses across the College of Engineering and Computer Science and the College of Business and Economics, Sol Invictus is engaging with more students at the ANU than ever before. Our last networking night in May was a resounding success, and we have another fantastic event planned for the end of November where we will get a chance to show the Canberra business community the progress we've made and our plans for the year ahead.

Our workshop is nearly complete and our technical designs currently under review. With our team's focus on student-led innovation, these designs will certainly contribute to the development of renewable and sustainable innovative solutions for the future. We are well on our way to having a successful and professional solar powered vehicle cross the finish line of next year's Bridgestone World Solar Challenge.

TEAM ARROW VISITS ANU

On Sunday 2nd October, we were lucky enough to be visited by Clenergy Team Arrow. It was exciting and somewhat surreal to have our hands on an actual solar car that was in still in excellent condition after completing the 2015 World Solar Car Challenge. Many of the students in the technical team found it particularly inspiring to see an end product after spending months designing ANU's solar car. With the workshop established now, very soon ANU will have its own vehicle!

Students very excited to by the sleek exterior and interior of the Clenergy Team Arrow solar car.



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Course Integration Projects

There are an array of engineering research projects available that contribute to ANU's first attempt at the World Solar Car Challenge. Under the guidance of Ben Nizette, there is an opportunity to work on the software and embedded systems for the solar car as a thesis project. These include the development of mechanisms for cruise control, telemetry and the dashboard. With the supervision of Andy Thomson undergraduate research and development students can focus on the manufacture of a solar array for high performance electric vehicles such as that competing in the World Solar Car Challenge. There is also the chance to develop hydrophobic and hydrophilic coating for composite vehicles. Applications are now open and close on the 28th of October. To apply and find out more, visit <https://goo.gl/forms/5cDcDm6M8tO5JGvX2>.

Thank you to Deloitte, Canberra Innovation Network and Inspiring Australia.

There has been a growing amount of local support around ANU's Sol Invictus Project. Thank you to our new sponsors and we are looking forward to being mentored and undertake professional development with Canberra Innovation Network.

Pictures of the space used to build and workshop ANU's solar car. Will be in action next year.

FOR INFORMATION REGARDING SPONSORSHIP OPPORTUNITIES OR GENERAL ENQUIRIES, CONTACT SOL INVICTUS DIRECTLY: WSC.CECS@ANU.EDU.AU

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Team arrow giving an indepth tour of their solar car.

Endowment Fund

Sol Invictus is a student led initiative at the ANU. We are currently looking for assistance and support to ensure that we can complete the arduous challenge of driving between Darwin and Adelaide next year in an student designed and built electric vehicle. Obviously this challenge is quite expensive and therefore we have arranged for the possibility of tax-deductible donations above \$2. More information may be found on the ANU website.

