Welcome to ARES

From the ARES Committee

About ARES

The **Aerospace and Rocket Engineering Society (ARES)** is a group of students who have come together to design and engineer aeronautical technology.

That includes; planes, drones, helicopters, rockets, satellites and anything else you could possibly think of do with aerospace!

ARES Committee

Jisoo

President

Rocketry team - Vice Lead

Harrison

Vice-President

Rocketry team - Operations & Logistics Lead

Rover Team - Supervisor

ARES Committee

Hasan

Secretary

Rocketry team - Sims Engineer

Computer Science and Aerospace

Baden

Treasurer

Rover team - Operations

Drones

ARES Committee

Zhe

Marketing

Master of
Information
Systems

Peter

Marketing

Rocketry team -
Project Lead

ARES Committee

Luna

Events Officer

Underwater
vehicle design

Info for potential
employment
opportunities

Caolan

2020 Treasurer

Rover team -
Project Lead

ARES Committee

Ann

Engineering
Officer

Rocketry team -
Internal Structures
Engineer

CubeSat Capstone
Project

Cas

Engineering
Officer

Rocketry team -
Internal Structures
Engineer

Autonomous
navigation

ARES Club Projects

Project Phobos

Australian Universities Rocket Competition

Join our club's largest current project, many members are involved. Design, manufacture and launch a rocket carrying CubeSat payload to 10,000ft. Travel to QLD in Oct. 2021 to compete. Subsystems include aerodynamics, simulations, internal structures, avionics and payload. **Find out more in next week's workshop!**
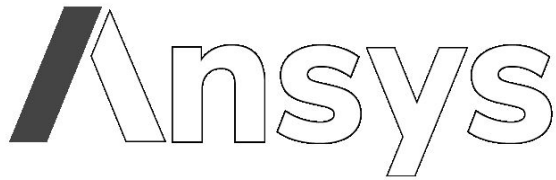
ARES Club Projects

UniMelb Rover Team (U.R.T.)

Australian Rover Challenge

In collaboration with Unimelb clubs MESS and MUECC, design and build a rover to compete in a full-scale simulated lunar mission. Roles available for Engineering, I.T., Science, and Commerce students. Rover will sing happy birthday to itself

For queries please email:
unimelbrover@gmail.com

ARES Partners

LEAP Australia

Engineering Software Consultants

LEAP Australia have partnered with the Project Phobos team act as mentors for modelling and simulation software. In particular, LEAP provide us assistance with the Ansys and Onshape software packages. **Ansys** - powerful software capable of CAD, mechanics simulations (FEA), fluid dynamics simulations (CFD) and much more. **Onshape** - cloud-based CAD design tool used by Project Phobos.

ARES Workshops

- Weekly workshops will run throughout the semester
- Previous workshop topics included LaTeX, Fusion 360, Onshape and PCB design
- Early workshops likely to be online, hopefully later workshops in person
- We will be running 10 workshops for Semester 1
- Join **aresmelbourne.slack.com** to receive regular updates and information on our workshops throughout the semester

	Date		Workshop
Week 1	1 Mar	5 Mar	Meet and Greet Workshop
Week 2	8 Mar	12 Mar	Project Phobos Part 1
Week 3	15 Mar	19 Mar	Project Phobos Part 2
Week 4	22 Mar	26 Mar	Onshape Part 1
Week 5	29 Mar	2 Apr	Onshape Part 2
	5 Apr	**9 Apr**	**Mid Sem**
Week 6	12 Apr	16 Apr	No Workshop
Week 7	19 Apr	23 Apr	LaTeX
Week 8	26 Apr	30 Apr	Ansys FEA Part 1
Week 9	3 May	7 May	Ansys FEA Part 2
Week 10	10 May	14 May	Ansys CFD Part 1
Week 11	17 May	21 May	Ansys CFD Part 2
Week 12	24 May	28 May	No Workshop

ARES Events

- Plan for Semester 1: hosting 2-3 Webinars from the following lists of companies:
- Australia Space Agency, Space Agency Start-Ups (Myriota, Neumann Space, Inovor and Sitael, SmartSat CRC), AIAA (American Institute of Aeronautics and Astronautics) Webinar, Nova Systems, Leap Australia, Australian Government Department of Defence
- ARES Project Physical Showcasing Events & Game Night (Physical)
- Industry Night (Physical)

How to join ARES and participate

- Sign up to be a club member

  aresmembership.getqpay.com

- Stay up to date with our weekly

  newsletter for upcoming events

  and workshops

- If you are interested in joining the

  ARES projects please chat to Peter

  (Phobos) or Caolan (Rover)

Next week - Project Phobos Rocket

See you next week! :)

ARES