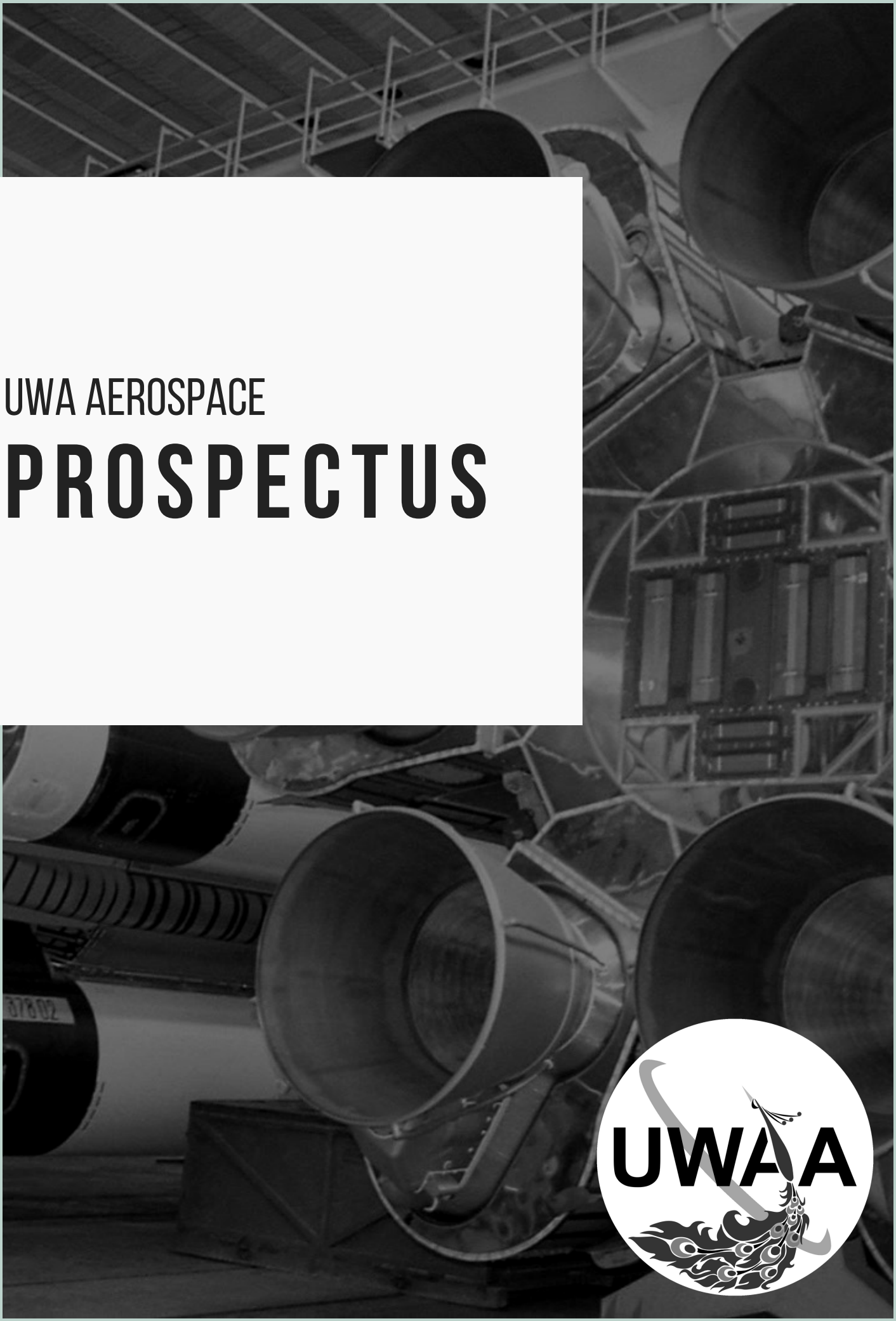
UWA AEROSPACE

PROSPECTUS



ABOUT THE TEAM

The University of Western Australia Aerospace team (UWAA) was founded in March of 2018, with the goal of competing in aerospace engineering challenges, as well as educating the wider community through outreach projects and workshops. Our team consists of many driven UWA students from diverse engineering and science backgrounds who are working hard to research, design, and manufacture high powered rockets. UWAA firmly believes that we will offer a unique learning experience for students interested in developing the skills and knowledge to become future industry leaders in Australia's emerging space ecosystem.

OUR PROGRESS

Progress has been rapid to prepare for the 2019 launch date. Our scale prototype rocket, 'Artemis' was successfully launched twice to 1.4 km, carrying a variety of sensor modules to validate our systems, as well as store flight data.
The team has also manufactured and tested a full-scale, competition prototype (see Jeff pictured on the right) reaching an altitude of 1.4 km and 2.8 km on two separate occasions, with the latter flight reaching a top speed of 298 m/s (0.9 Mach). The team plans to further improve its manufacturing, on-board electronics, and recovery system in preparation for next year's competition.

Left: 'Artemis', 2 Successful launches
Right: 'Jeff' during takeoff

MOTIVATED AND PASSIONATE ABOUT ROCKETRY

THE COMPETITION

This year our team goal is to design, and manufacture a high-powered rocket for the first-ever Australian Universities Rocketry Competition (AURC), which is being sponsored by the Department of Defence Science and Technology.

The competition will take place in April 2019 at an international model rocketry event called Thunda Down Under. Our team is building a rocket to fly to a height of 10,000 ft (roughly 3 km) as part of the competition requirements, with the team flying closest to this height declared the winner.

Our team will be competing against other top Australian universities including the University of Queensland, RMIT, Monash, UNSW, USYD, and UniMelb.

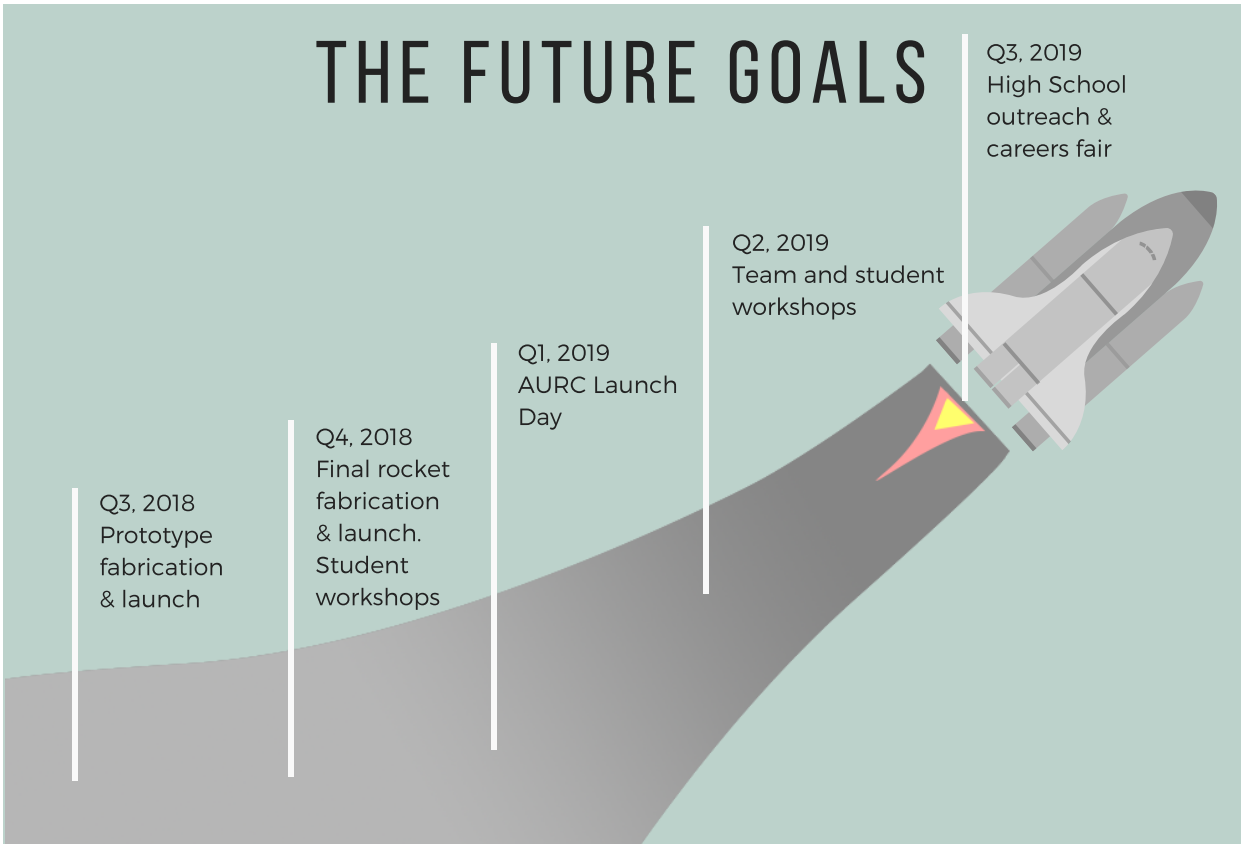
THE TIMELINE

UWAA's main focus for 2018 is on its participation in the AURC, and developing a presence on campus through outreach events with students on campus, and with local high school students in collaboration with UWA's Women in Engineering Club.

Our vision for 2019 will again see us participating in the AURC, as well as further pursuing secondary school outreach, giving team members more opportunities to give back to the community by encouraging high school students to pursue STEM related careers.

In addition to our social outreach initiatives, we plan to engage with researchers at UWA through offering the use of our rockets for experiments at altitude.

THE FUTURE GOALS



SPONSORSHIP

UWAA's ability to continue to facilitate an enriching educational experience for the wider community, and students is made possible by the generosity of individuals and organisations. Our team has demonstrated they are committed, ambitious and driven to seed greater interest in the space ecosystem in Western Australia.

By sponsoring our team, your company will not only gain exposure through a national event with 700+ in attendance, university events and networking functions, our outreach programs, but will also be directly contributing to the development of the future leaders of industry, and in WA's emerging space ecosystem.

	Principal $10,000+	Platinum $5,000+	Gold $2,000+	Silver $1,000+	Bronze $500+
Naming rights	●				
Promotion in multimedia	●	●			
Logo on team shirts	Large on t-shirt	Medium on t-shirt	Small on t-shirt		
Logo at public events & displays	●	●	●	●	
Logo on rocket	●	●	●	●	●
Access to team media & photos	●	●	●	●	●
Logo on website	●	●	●	●	●
Promotion in social media	●	●	●	●	●

SPECIAL ACKNOWLEDGEMENTS

The UWA Aerospace team would like to express its gratitude to everyone that has supported and mentored us so far. Particularly the Faculty of Engineering and Mathematical Science at UWA for providing us with the resources necessary to facilitate our initial progress, and the National Geotechnical Centrifuge Facility for the use of their centrifuges to test our equipment under its operational conditions.

CONTACT US

Rowan Sobey
Sponsorship Coordinator
hello@uwaaerospace.org

WEBSITE: UWAAEROSPACE.ORG

FACEBOOK: @UWAAEROSPACE

EMAIL: HELLO@UWAAEROSPACE.ORG