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Saber Astronautics joins newly funded ARC Training Centre for CubeSats.

Sydney, Australia—Saber Astronautics is pleased to announce a partnership with the University of Sydney, University of New South Wales, The Defence Science and Technology Group and various industrial forces in the new \$5m ARC Training Centre for CubeSats, Unmanned Aerial Vehicles, and their Applications.

Called “CUAVA”, the Centre aims to improve the accessibility and functionality of CubeSats and form a key part of Australia’s future space development. Key projects include research that has commercial potential in the small satellite market such as small plasma thrusters, Gigabit/s communication, and snap-together CubeSat systems. The Centre will also focus on novel, miniature, world-leading imagers for satellites and UAV’s, as well as variable spacecraft drag devices based on Saber’s home-grown ‘*DragEN De-Orbit Tether*’ technology.

Saber Astronautics CEO Dr Jason Held notes the Centre’s potential to bridge gaps between industry and academic research, “As a research leaning company we always enjoyed strong friendships with academia. CUAVA extends the friendships formally giving academic partners industry experience onsite at Saber while working together on game changing research.”

Two of the Centre’s projects are led by Saber Astronautics, with Dr. Held and Saber’s Lead Avionics Engineer Mr. Andreas Antoniadis as Principal Investigators researching new methods in space weather prediction and satellite tether dynamics. Support includes co-supervision of PhD students supply of software, and other in-kind services valued at \$289,000.

“We’re both very excited to be onboard with the training centre, and look forward to engaging with PhD students and industry over the next half-decade”, commented Mr. Antoniadis. “Establishing firm research, development and community roots now as the industry begins to grow will give us a much stronger impact to the global market.”





The Centre is funded for five years by the Australian Research Council, and plans a new spaceflight each year to flight-qualify products developed by the industry and government partners.

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About Saber Astronautics

Saber Astronautics' mission is to reduce barriers to space flight, making it more accessible to people on Earth. Saber's Predictive Interactive Groundstation Interface (PIGI) is a next-generation space mission control software developed by an experienced team of space operations, systems control, UX, and robotics experts. PIGI brings together the latest techniques in human factors, artificial intelligence, and dynamic 3D data visualization to make it easy for spacecraft operators to monitor, fly, and rapidly diagnose faults in spacecraft systems.

For more information, please visit www.saberastro.com

