

2020 has already been a pivotal year for Space Resources, with the announcement of the Artemis Accords providing a level of global regulatory certainty around the industry. In an exciting new stage in the technical development of the industry; Asteroid Mining Corporation Ltd, (UK) is pleased to announce the signing of a Memorandum of Understanding with the Space Robotics Lab, Tohoku University, (Japan). The objective is to conduct collaborative research on space exploration robotics for future asteroid resource prospecting. Starting in 2021, this joint project will see the development of scalable, space capable, and versatile robotic platforms for both terrestrial and space applications. Asteroid Mining Corporation aims to use these robots for the world's first private exploration of an asteroid, ushering in a new era of space resources and private space utilisation while forming close, lasting links between the UK and Japan.

Asteroid Mining Corporation:

Asteroid Mining Corporation Ltd is the UK's pioneering Space Resources business. AMC is developing the Asteroid Prospecting Satellite One to identify the most economically viable asteroid mining candidates in the Solar System. The new partnership with the Space Robotics Lab will see AMC become a multinational Space Resources business based in Glasgow, Liverpool, and Sendai as it works to drive the global development of asteroidal resources.

Space Robotics Lab:

The Space Robotics Lab (SRL), led by Professor Kazuya Yoshida, is dedicated to the research and development of robotic systems for space science and exploration missions. Located in Sendai, Japan, SRL is part of the Department of Aerospace Engineering at Tohoku University. Through its partnerships and contributions over the years to a wide array of projects - both domestic and international - SRL has become a centre for cutting-edge research in micro-robotic technology for planetary exploration.

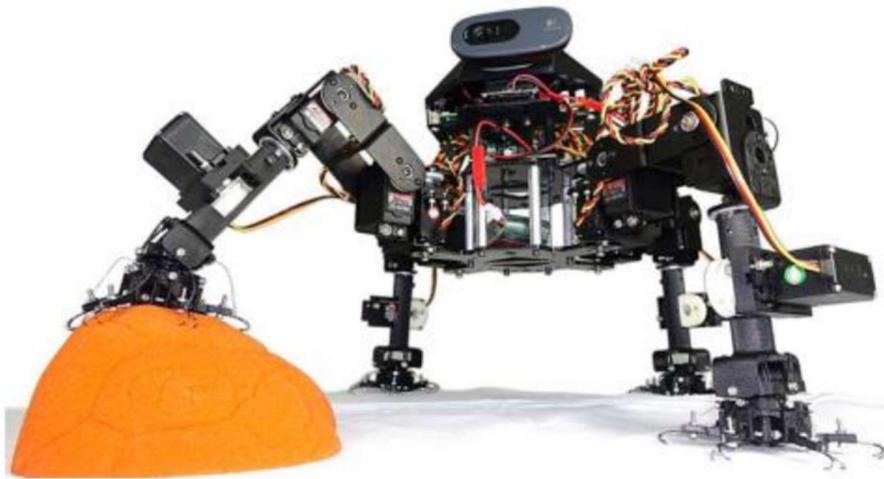
We are currently focusing on the mechanics and control of planetary exploration rovers and their operation in microgravity, as well as remote technologies. These include mapping and localisation in unstructured environments, rough-terrain mobility, teleoperation with time delay, autonomous exploration and multi-robot systems.

Dr. Mickael Laine, a recently appointed assistant professor at SRL, will lead the collaborative research activities between SRL and AMC.

'I am extremely excited for AMC to start working with the Space Robotics Lab. As a leading global research centre for Space Robotics, the AMC-SRL partnership will lead the global drive towards the commercial exploration of asteroids.', -- *Mitch Hunter-Scullion - CEO and Founder, Asteroid Mining Corporation Ltd.*

'This partnership with AMC is an exceptional opportunity for all of us at SRL. Thanks to this support, we can continue to innovate and develop technologies at the forefront of space exploration micro-robotics. SRL and AMC will lead the research field towards the exploration of asteroids and further the understanding of our solar system.' -- *Mickael Laine, Ph.D., Assistant Professor, Space Robotics Lab, Tohoku University*

"I am happy to be bringing our expertise in space robotics for asteroid surface locomotion into this international collaboration with AMC. Asteroid exploration is very challenging, but I'm confident that this innovative partnership will open a new era of discovery." - *Kazuya Yoshida, Dr. Eng., Professor, Space Robotics Lab, Tohoku University*



The above picture represents the current state-of-the-art research conducted by the Space Robotics Lab. Using this expertise, the collaborative work of AMC and SRL will centre around the development of new platforms, the Space Capable Asteroid Robotic Explorers (SCAR-E). This project will see the emergence of a new generation of walking robotic platforms and will become the global standard for asteroid prospecting activities.