



Cars4Mars

African Rover Challenge

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What is Cars4Mars - African Rover Challenge 2024 about?

Our Mission

Our mission is to inspire African youth to be part of the Robotics, Space Technologies, and AI rush to conquer the world and outer space.

We aim to mentor and help young people to access the know-how of robotics and cultivate entrepreneurial spirit by creating a platform of collaboration between academia and businesses.

The time is now to prepare for the future workforce.

The challenge is to design and build a Mars rover **prototype**. This is not expected to be a space-grade machine and does not need to be ready to operate in actual space or Mars conditions.

It should be a small, mobile robot, controlled wirelessly and have an independent power source.

Who can compete?

This challenge is addressed to students in universities, high schools or colleges to compete as a team.

Teams are encouraged to consult professors, experts or engineers (called Faculty Advisors) for advice and guidance. The engineering, design, manufacturing and operation of the rovers needs to be done by students.

What is the benefit in participating in Cars4Mars – African Rover Challenge 2024?

The excitement in participating in this competition will enable students to learn and use their creativity building robots and opportunity to interact on many levels with others.

The competition is a continuous mentoring effort which is intended to educate the next generation of multidisciplinary engineers and others, boost innovation in research and business, and popularise STEM (Science, Technology, Engineering and Mathematics) advancements.

The time is now to prepare for the future!

Please contact Basia Nasiorowska on basia@cars4mars.co.za or hello@cars4mars.co.za for further information and support.