

Attention to: Stakeholders

Subject: Space Exploration Evening in Kigali – 11th October 2024.

Kigali, Rwanda – TRL Space, in partnership with the Rwanda Space Agency and UNISTELLAR, a leading manufacturer of computer-connected telescopes, is excited to announce the **Space Exploration Evening** scheduled for **11th October 2024**. This inspiring event will engage university and high school students, space enthusiasts, and industry professionals through a series of activities designed to spark curiosity and accelerate interest in space technology.



The event will kick off with the **Cubesat Mission Design Challenge**, where students will collaborate to design and prototype space missions. Following this, participants will enjoy an evening of celestial exploration, using advanced telescopes to observe stars, planets, and other wonders of the universe.

TRL Space is dedicated to accelerating the development of the space ecosystem, not only in Rwanda but across Africa. "Africa is rich in talent, but there remains a gap in infrastructure to harness this potential fully. Through collaborations with key stakeholders, TRL Space Hub aims to close this gap by focusing on capacity building in the space sector, nurturing the engineers, scientists, and entrepreneurs who will lead Africa's space journey," said TRL Space representative.



The **CubeSat Mission Design Challenge** is an opportunity for students to think creatively and develop practical solutions for real-world space challenges. In teams of five, students will design and prototype their ideas, guided by professionals from the space industry. The designs will then be presented to a panel of judges, fostering innovation and problem-solving skills among the participants.

The **Cubesat Mission Design Challenge** will take place on **11th October 2024**, from **2:00 PM to 4:00 PM** at **Norrskén House, Kigali, Rwanda**. This challenge will feature six groups, each consisting of five students, working under the theme of **Space Education & Exploration**. Following this, the **Space Exploration Evening Using Telescopes** will be held on the same day from **5:00 PM to 7:30 PM** at the **Kigali Convention Center Rooftop**. The evening event will welcome invited guests and students to explore the theme of **Space Exploration** through the use of advanced telescopes to observe celestial objects. **Stay tuned through our social media channels on LinkedIn and X, both @TRLspace.**

By organising these events, TRL Space fosters curiosity, innovation, and critical thinking in young people, empowering the next generation of engineers and scientists. These outreach programs aim not only to raise awareness about space science but also to inspire students to pursue careers in the space sector, contributing to the long-term growth of Africa's space ecosystem.



About TRL Space Hub:

TRL Space Hub, an initiative of TRL Space Systems, is focused on nurturing Africa's talent and advancing the region's space industry. Through a comprehensive approach that includes mentorship, industrial knowledge sharing, and hands-on experience, TRL Space Hub is committed to building a sustainable future for space exploration and technology development across the continent. By fostering innovation and empowering the next generation of engineers, scientists, and space professionals, TRL Space Hub plays a vital role in driving Africa's presence in the global space sector.

A key focus of TRL Space is the development of small satellites and equatorial constellations aimed at enabling remote sensing solutions for Africa. As part of this effort, TRL Space designs and manufactures smart Nano Satellites ranging from 6U to 16U configurations, tailored to meet various application needs. These satellites are equipped with advanced technologies, including hyperspectral sensors, communication payloads, and high-resolution optical sensors, providing enhanced capabilities for environmental monitoring, communication, and data collection. Through these innovative offerings, TRL Space is positioning itself as a key player in Africa's space technology landscape, supporting the region's growth and self-reliance in the global space industry.


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