

CURRICULUM VITAE

Yasith Lakmal Ramawickrama

Sri Lanka Planetarium
Prof Stanley Wijesundera Mawatha
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CURRENT POSITION

Sri Lanka Planetarium, Prof Stanley Wijesundera Mawatha, Colombo 07, Sri Lanka
Lecturer, Sri Lanka Planetarium, Oct'19 – present

PAST POSITIONS

ESOFT College of Engeeniring and Technology, Moratuwa, Sri Lanka
Lecturer cum Program Manager, Department of Electrical and Electronics May'17 – Oct'19

University of Kelaniya, Kelaniya, Sri Lanka
Teaching Assistant, Department of Physics Feb'15 – March'17

EDUCATION

Master of Science in Applied Electronics Nov'15 – Dec'17
University of Colombo, Colombo, Sri Lanka
Graduate Advisor: Dr. Hiran H. E. Jayaweera (hiran@phys.cmb.ac.lk)

Bachelor of Science in Physical Science Nov'11 – Jan'15
University of Kelaniya, Kelaniya, Sri Lanka
Graduate Advisor: Senior Professor S. R. D. Kalingamudali (kalinga@kln.ac.lk)

SELECTED HONORS AND AWARDS

1. Asia-Pacific Space Leader Award, Space Generation Advisory Council 2019

GRANTS

1. The Leiden/ESA Astrophysics Program for Summer Students (LEAPS), University of Leiden, The Kingdom of Netherlands - Full Scholarship 2018
2. Optical Design Summer School, National Astronomical Research Institute of Thailand (NARIT), Thailand - Half Scholarship 2017
3. Global Navigation Satellites System (GNSS) Summer School, Tokyo University of Marine Science and Technology (TUMSAT), Japan - Half Scholarship 2016

PUBLICATIONS

First author

1. *“Preparing a magnetic map of the room,”* **Y. Ramawickrama**, International Research Conference on Smart Computing and Systems Engineering-IRCSCSE, Sri Lanka, 2018.
2. *“The Future of GNSS in the Next Ten years,”* **Y. Ramawickrama**, J. Vijayanga, R. Dhar-marathne, H. Wijesooriya, 3rd Asia-Pacific Region Space Generation Workshop, Los Banos, Philippine, 2016.

Second author

1. *“Determination of the Depth of Solar Chromosphere using the Time Difference between Umbral Contact Points through the Simultaneous H Alpha and White Light Observations during an Annular Solar Eclipse,”* B. G. E. T. Jayashantha, **Y. Ramawickrama**, A. S. Karunaratna, D. S. L. Karunasekara, D. Z. S. S. Gunarathne, P. S. Kanatthage, J. D. P. Deshapriya, 1st Symposium on Space Science and Technology, Sri Lanka, 2021.
2. *“Manned Mars Mission Risks Evaluation,”* Guzel Kamaletdinova, **Y. Ramawickrama**, Laura Bettiol, Andrea De La Torre, Divyesh Patel, Funmilola Adebisi Oluwafemi, Uthpala Heshani, Robin Kumar Singh, Aureliano Rivolta, Andrey Sorokin, 69th International Astronautical Congress (IAC), Bremen, Germany, 2018.
3. *“Technical Knowledge Gaps In Niche Use Cases Of Small Satellites,”* David Earle, **Y. Ramawickrama**, Rayan Imam, Olga Mamoutova, Jorge Monteiro, Siddhesh Naik, Daria Stepanova, Kiran Tikare, Alejandro Lopez, Patricia Randazzo, 4th IAA Conference on University Satellite Missions and CubeSat Workshop, 2017.
4. *“Microgravity Effect in a Long-Term Manned Mission,”* J. Lousada, **Y. Ramawickrama**, F. A. Oluwafemi, D. Patel, A. De La Torre, G. R. Kamaletdinova, 1st National Workshop on Microgravity and Environmental Research, Kogi State University Campus, Anyigba, Nigeria, 2017.
5. *“Preliminary Design-Concept of Multi Regional Satellite for Increasing Accuracy in GNSS (Precise Point Positioning),”* Vincenzo Capuan, **Y. Ramawickrama**, Pratiwi Kusumawardani, Oniosun TemidayoIsaiah, Leila Ghasemzadeh, Stephanie Wan, Prabin Gyawali, Siddesh Naik, 68th International Astronautical Congress (IAC), Adelaide, Australia, 2017.
6. *“Approaches and Solutions for Martian Spacesuit Design,”* MP Onevsky, **Y. Ramawickrama**, U. Heshani, G. R. Kamaletdinova, D. Patel, F. A. Oluwafemi, A. De La Torre, 68th International Astronautical Congress (IAC), Adelaide, Australia, 2017.

SCIENTIFIC TALKS

Online Webinar

1. *Introduction to Asteroids.* Celebrated International Asteroids Day, Audience: Undergraduate and General Public (Jun’21)
2. *Introduction to Asteroids Searching Campaign.* Celebrated International Asteroids Day, Audience: Undergraduate and General Public (Jun’20)

Contributed Colloquia

1. *Enabling High-Priority Astronomy for Miniaturized Satellites*, The Leiden/ESA Astrophysics Program for Summer Students (LEAPS), University of Leiden, The Kingdom of Netherlands (Aug'18)

Invited Talks

1. *Introduction to Observation Astronomy*, University of Sri Jayawardanapura, Sri Lanka (Sep'20)
2. *Introduction to Astronomy*, Sr. Benadict's College, Colombo 13, Sri Lanka (Aug'20)
3. *Enabling High-Priority Astronomy for Miniaturized Satellite*, Institute of Astronomy, Sri Lanka (Jan'19)
4. *Enabling High-Priority Astronomy for Miniaturized Satellite*, Wesley College, Colombo 08, Sri Lanka (Oct'18)
5. *Memories of Sir Arthur C. Clark and Introduction to Space Generation Advisory Council*, Arthur C. Clark memorial talk, Ananda College, Colombo 08, Sri Lanka (Oct'18)
6. *Introduction to Astronomy and Space Science*, Star Party, University of Peradeniya, Kandy, Sri Lanka (Feb'18)

Contributed Conference Talks

1. *The Future of GNSS in the Next Ten years*. 3rd Asia-Pacific Region Space Generation Workshop, Los Banos, Philippine (Nov'16)

RESEARCH ADVISING

1. **Feb'18 – Feb'19**, S. A. A. B. Thejasiri (University of Kelaniya, Sri Lanka), "Introducing a Method for Preliminary Asteroid Orbit Determination"

ACADEMIC SERVICE

1. **Panelist**, In to the Star Project by SEDS chapter of the University of Colombo, Sri Lanka. Jul'21–present
2. **Scientific Organizing Committee Member**, Event Manager, 5th Asia-Pacific Space Generation Workshop (5th AP-SGW), Singapore 2018

TECHNICAL SKILLS

Proficient: Python, C/C++, Arduino, Matlab and \LaTeX

Beginner level: Unix shell scripting

REFERENCES

References available upon request