

Announcement & Acknowledgement in UNISEC-Global Community

November 16, 2024

New Point of Contact (United States)



Khan Rahman Arifur
The University of Texas at
El Paso, United States

Dr. Khan is an Associate Professor of Instruction at The University of Texas at El Paso. He obtained his BS and MS degree in Applied Chemistry & Chemical Engineering from the University of Dhaka, Bangladesh, and Ph.D. in Electrical Electronic and Computer Engineering from the School of Engineering, Kyushu Institute of Technology, Japan. His research expertise is Plasma Enhanced Chemical Vapor Deposition (PECVD) to prepare MOSFET, Transistor, p-n junction, etc., development of passive spacecraft charge neutralizer (Electron Emitting Film, ELF) and Surface Charging Monitor (SCM), double Langmuir Probe (DLP) with space grade circuitry, 3D printer for spacecraft, etc. Dr. Khan is also an expert on space environment durability testing of Spacecraft/Payload/Subsystem/Unit based on ISO standards, studying space-grade material's properties changes due to space environment interactions (UV, low- and high-density plasma, High voltage, Atomic Oxygen, degassing, Thermal fluctuation, etc.), circuit designing, testing and payload development, machine-computer interface, etc. He used to work as an active member of various satellite projects such as Horyu-II, Horyu-IV, BIRDS-1, (Japan), Micro-Dragon (Vietnam), OF-II (UTEP), etc. Dr. Khan used to work on the developing various small spacecraft testing unit beside his regular teaching of graduate and undergraduate students. His classroom teaching focus is on hands-on learning named Design-Build-Test-Fly (DBTF) model. Dr. Khan is a senior member of both the American Institute of Aeronautics and Astronautics (AIAA) and the Institute of Electrical and Electronics Engineers (IEEE) and member of American Society of Mechanical Engineers (ASME). He is also a regular reviewer of many scientific research journals, such as IEEE Transactions on Plasma Science, Journal of Applied Physics, American Institute of Physics, etc.

New Point of Contact (South Korea)



Youngho Eun
Yonsei University,
South Korea

Youngho Eun is a Research Professor in the Department of Satellite Systems at Yonsei University. He completed his PhD at Yonsei University in 2018, focusing on hardware experiments for spacecraft proximity operations. Before returning to Yonsei in 2023, he began his academic career at the University of Sydney, where he worked as a Postdoctoral Research Associate and Associate Lecturer at the School of Aerospace, Mechanical and Mechatronic Engineering and was also affiliated with the ARC Training Centre for CubeSats, UAVs & Their Applications (CUAVA). During this time, he contributed as the chief mechanical engineer to three Australian CubeSat missions—CUAVA-1, CUAVA-2, and Waratah-Seed-1. Now at Yonsei, he leads student teams in building a series of CubeSats, including HYVRID, waiting for launch in Q1 2025, and VISION and so on. His research interests include spacecraft guidance, navigation, and control (GNC), satellite systems, and emerging areas like space situational awareness, etc.

New Local Chapters

UNISEC-Korea

- KAIST
- Yonsei University

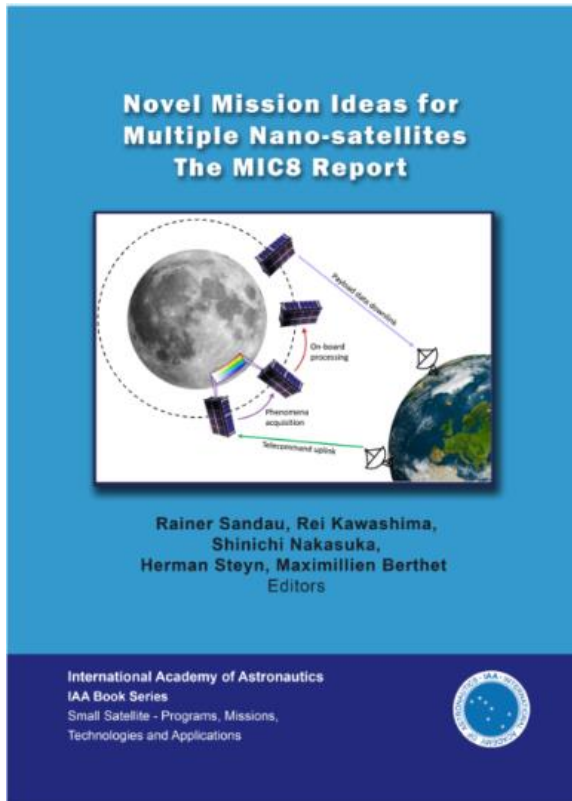
UNISEC-Tanzania

- Sokoine University of Agriculture (SUA)
- St Joseph University in Tanzania
- Mbeya University of Science and Technology
- Dar es Salaam Tumauni University
- University of Dar es Salaam
- Open University of Tanzania
- Dar es Salaam Institute of Technology (DIT)

The Mission Idea Contest

MIC8 book has been published in the IAA website.

<https://iaaspace.org/product/the-mic8-report/>



- 10 Euro
- Full papers of MIC8 finalists and the semi-finalist

The Mission Idea Contest

The 9th Mission Idea Contest : to the Moon (Preliminary Workshop)

Theme: “*Lunar mission*”

<https://www.spacemic.net/>

- 10 finalists were selected and they will make a presentation at the Preliminary Workshop on November 27. (In-person only)

Important date:

Final Presentation: **November 27, 2024 (South Africa)**

Contact: info@spacemic.net

13th Nano-Satellite Symposium

- Date: November 25-27, 2024
- Venue: Protea Hotel Technopark, Stellenbosch, South Africa
https://www0.sun.ac.za/UNISEC-SAR/nanosat13/call_for_papers/

10th UNISEC-Global Meeting

- Date: November 28-29, 2024

Registration for

13th Nano-Satellite Symposium and 10th UNISEC-Global Meeting

<https://www0.sun.ac.za/UNISEC-SAR/nanosat13/>

HEPTA-Sat Training in South Africa (UN KiboCUBE workshop)

- Date: November 30, 2024
- Venue: Stellenbosch University, South Africa
- Capacity: 40 people

(Please let us know if a UNISEC-Global community member wants to attend the training.)

- Tuition: Free of charge

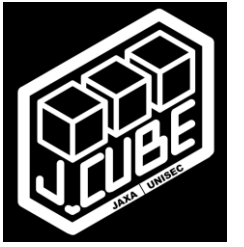
https://www.unoosa.org/oosa/en/ourwork/access2space4all/access2space4all/KiboCUBE_Academy_Webinars/onsite2024.html

Registration(Deadline: **November 20**)

<https://forms.office.com/e/7uYMQu41yK>



Launch opportunities (ISS deployment)



- J-CUBE

- Special (discounted) launch opportunities
- 1U, 2U, 3U
- Deployment from International Space Station
- Collaborate with a UNISEC-Japan's university
- Technical support will be provided

Contact: info-jcube@unisec.jp

<http://unisec.jp/serviceen/j-cube>

Next Virtual Meeting

- Date: December 21, 2024
- Theme: Local Chapter Activity Report
- Host: UNISEC-Global

Virtual UNISEC-Global Meetings take place on the third Saturday almost every month in 2024.

UNISEC-Global Social network accounts



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<https://www.linkedin.com/groups/8982613/>