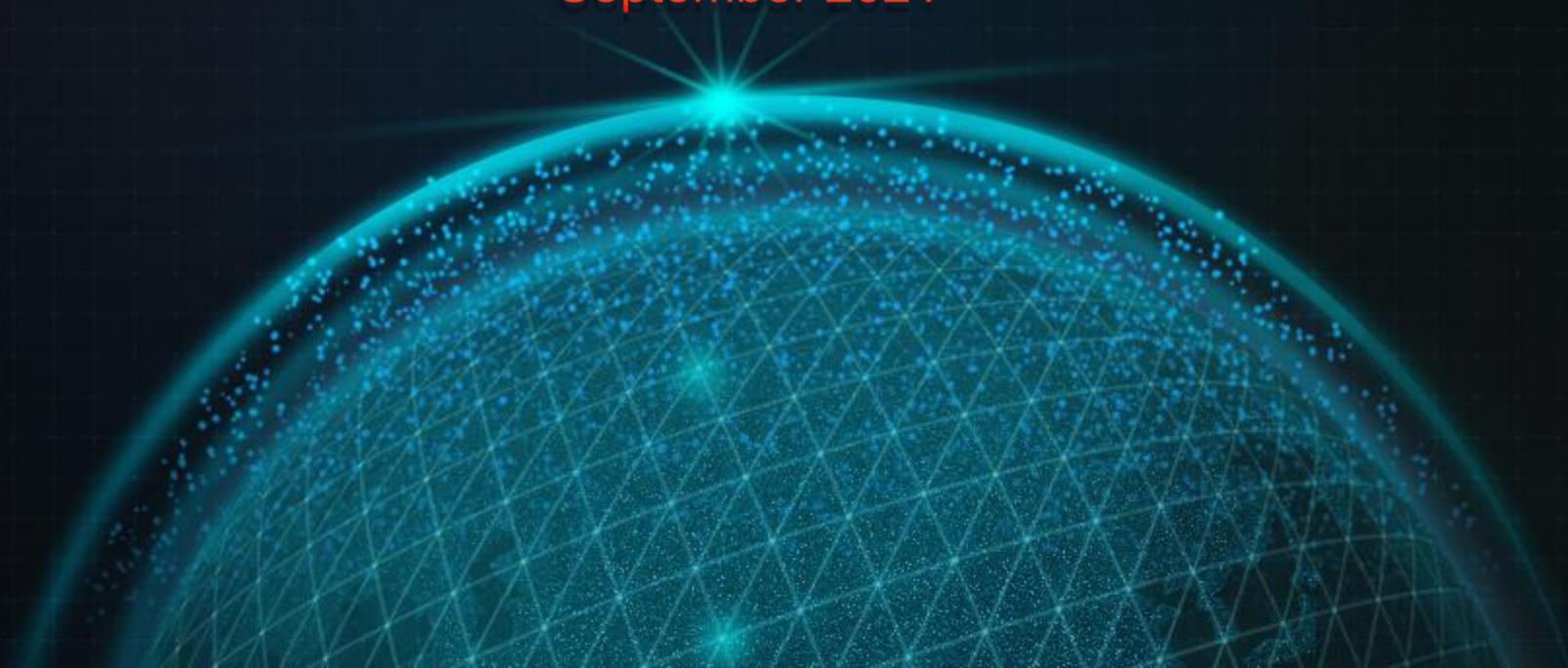


— A —

Journey to Explore New Horizons

PNST Webinar

September 2021





Presenter: Hoda Awany El-Megharbel
(PNST Master's Graduate 2020)

La SEINE (Laboratory of Lean Satellite Enterprises and In-Orbit Experiments
Kyushu Institute of Technology, Kitakyushu, Japan)
CHO Laboratory



1 Before PNST

2 Satellite Projects

3 Research and Outreach

4 Life in Japan

5 After PNST

Where do I come from?



Cairo, Egypt



2018-2020
Fukuoka, Japan



Background

Education

-Bachelor of Engineering, Electronics and Communications Department, MIU, Egypt (2012-2017)

Graduation Project: Design, Implementation and Testing of an Electrical Power Subsystem of a Cube Satellite

-Teaching Assistant, ECE Department, MIU, Egypt (2017-2018)

-United Nations/Japan Long-term Fellowship Programme. Post-graduate study on Nano-Satellite Technologies - PNST (2018-2020)



Satellite Projects



SPATIUM-I



BIRDS-4



KITSUNE

November
2018

SPATIUM-I : In-orbit operations after satellite launch

April 2019

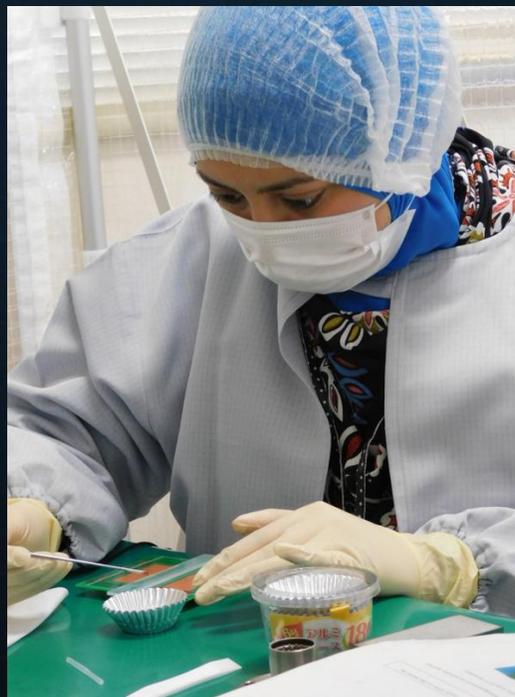
BIRDS-4: PDR-Delivery to JAXA

September
2020

August 2019

KITSUNE: MDR-CDR

Projects: BIRDS-4



9/21/2021

Research and Course work

-Space Engineering International Course (SEIC); Many courses including:

- Orbital Dynamics
- Space Weather
- Space System Engineering
- Satellite Communication systems
- Space Law and policy

-Master of Science Thesis: UHF Signal Analysis For Ionosphere Total Electron Content Estimation



Life in Kyutech

Orientation Day



Graduation Ceremony

Exploring Japanese Culture



After PNST



Current Position: Engineer, Satellite Communications and Navigation Department, Egyptian Space Agency

Capacity Building Activities

- *Space Generation Advisory Council, National Point of Contact, Egypt, Middle East Region (March 2019-present)*
- *Moon Village Association, National Coordinator, Egypt, North Africa (January 2021-present)*
- *Tod'Aérs - Transparent Organization for Aeronautics and Space Research, Research Advisor, Space Applications*



Lessons Learned throughout the Journey



Grab every opportunity to learn

Make Friends and Memories

Study Japanese

Learn from your mistakes

“If I cannot do great things, I can do SMALL things in a great way.”

Martin Luther King

THANK YOU

Contact: elmegharbel.hoda827@mail.kyutech.jp

LinkedIn: [Hoda Awny](#)