



IEEE Aerospace Electronic Systems

Graduate Student Representative

Djedidi

10 and 11 October 2025

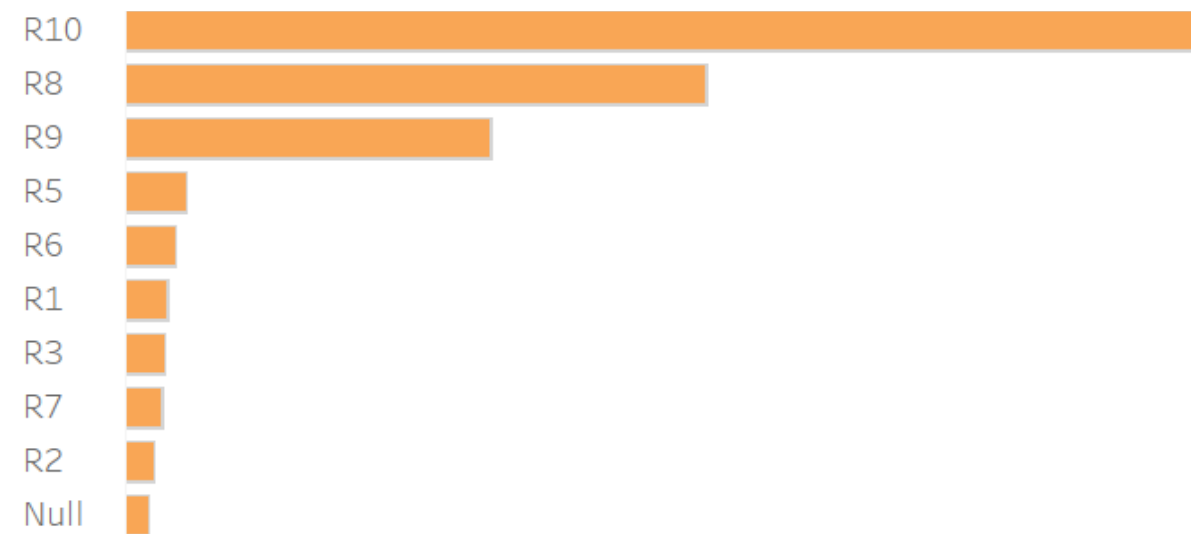
Krakow, Poland



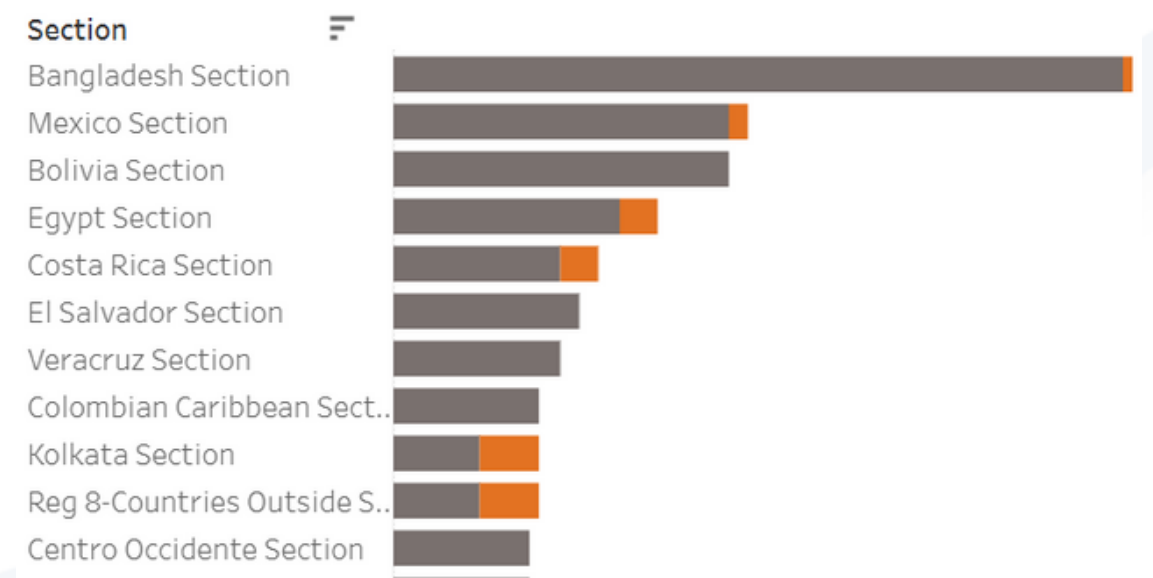
Some Stats (as of September 2025, compared to september 2025)

- Total Number of members: **6979, 17.95% Increase from 5917**
- Student members: **1832 (26.2%), 29.65% Increase from 1413**
- Graduate Student members: **477 (6.83%), 33.99% Increase from 356**
- Number of SBCs: **134, 34% Increase from 100**

Top 10 Regions



Potential Chapters



Distribution

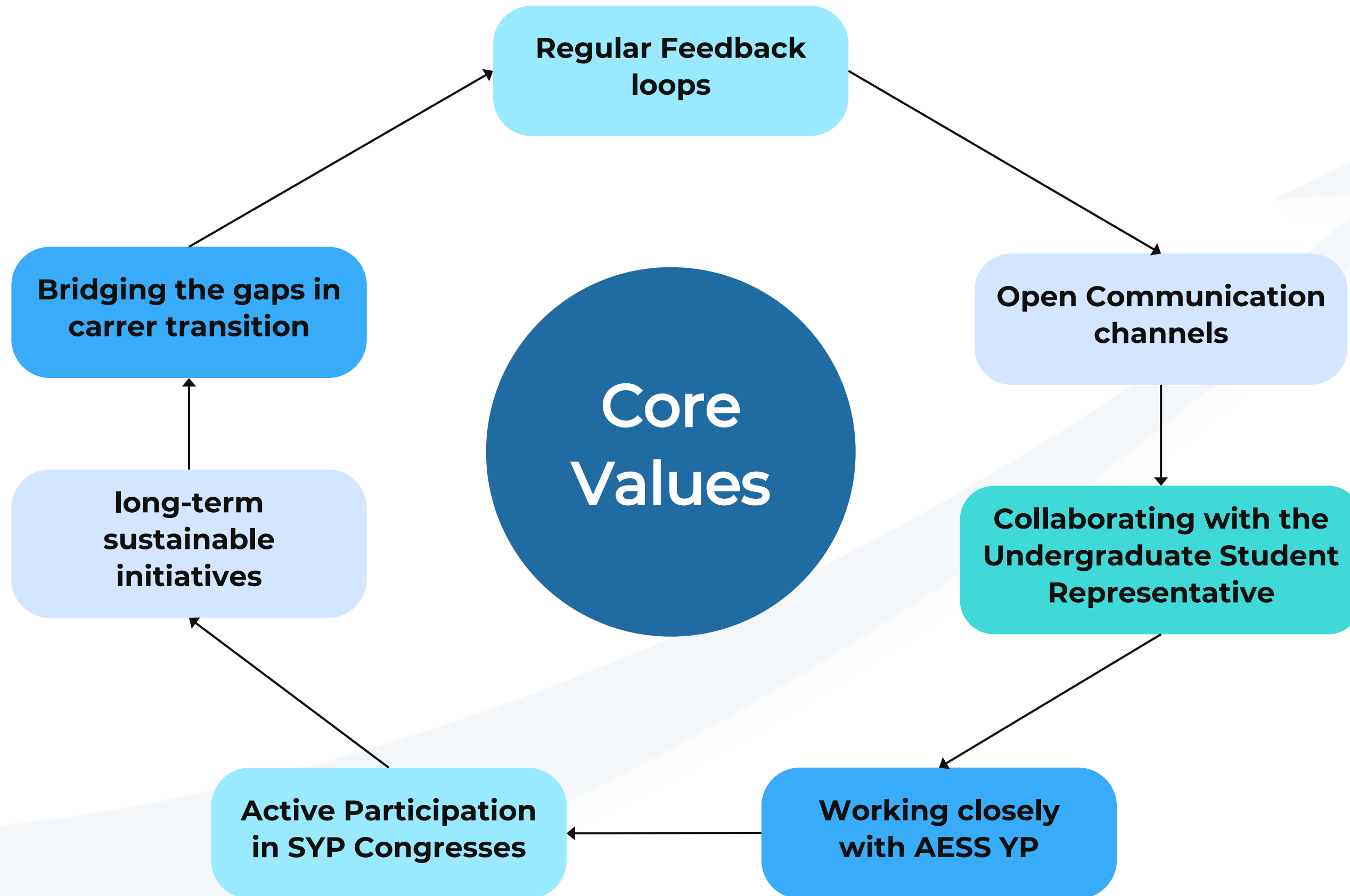
	Female	Male	Unknown
Total Members	736	1,309	276
% of Total	31.71%	56.40%	11.89%

Key Challenges Identified:

- **Isolation:** 52% of graduate students report feelings of isolation, particularly those in specialized research areas.
- **Career Uncertainty:** 68% of graduate students express concern over career prospects post-graduation.
- **Funding and Financial Support:** 38% cite financial stress as a significant barrier to completing their studies, especially when it comes to PhD. Programs

Missing Resources and Gaps:

- **Mentorship Programs:** 70% of students feel that more structured mentorship opportunities could enhance their academic and professional development.
- **Networking Opportunities:** Lack of sufficient networking events tailored to specific career paths within aerospace and electronic systems.
- **Career Guidance:** A gap in resources related to transitioning from academia to industry roles, particularly in niche fields.



.5 | Objective 1 - Student Engagement and Development

Focus:

Enhance student engagement and professional development within IEEE AESS.

Actionable Steps:

- Organize **quarterly webinars** and workshops on topics like "Emerging Technologies in Aerospace Systems" and "Career Pathways in Embedded Systems."
- Develop a **mentorship program** with at least 15 mentor-student pairs within six months.
- Launch a **Graduate student newsletter** highlighting opportunities, scholarships, and events.
- Encourage **Paper contests and works-in-progress competitions**

OKRs:

- Objective: Increase student engagement in AESS activities.
- Key Result 1: 10% increase in participation within 12 months.
- Key Result 2: Establish a mentorship program with 15 mentor-student pairs.

Graduate student newsletter corner in AESS QEB

sbc tracking		
Tt SBC	sbc chair email	Status
IEEE AESS UFABC	lyncolnferreira@hotmail.com	in progress
IEEE AESS MUJ	parthdarsh08@gmail.com	in progress
IEEE AESS SAIRAM	yaashica2004@gmail.com	in progress
IEEE AESS YU	hassanmarwan0@gmail.com	in progress
IEEE AESS UPC	skyyhoma9902@gmail.com	in progress
IEEE AESS ENIS	molka.chaoui@ieee.org	not contacted yet
IEEE AESS UNI	(vicechair) samira.cueva.b@	not contacted yet

1st interview draft :

1st target : IEEE AESS UFABC

Project spotlight (their rocket project)

Q&A:

1/introduction to their sbc

(Can you briefly introduce your ieee aess sbc ?)

2/intro to the project

- What is the project about, and when did you start working on it.
- how did you come up with the idea
- How many students are involved , and are they all aess members
- What stage did the project reach

3/ technical overview

- What technologies, systems, or tools are being used in the project
- Are you building everything from scratch
- What platforms , software or simulations are you using
- Do you have an estimated cost or materiel budget

4/ team and workflow

- How is your team (project's team) organized (roles etc)

5/ chair's insights

- What is your role within this project
- What was the most challenging part so far
- Any advice for other sbcs working on similar projects

Student / Graduate student mentorship program 1st pilot



IEEE AESS Tunisia Chapter Mentorship Program – Summer 2025 Edition

Towards a Global IEEE AESS Mentorship Initiative

Overview:

The **IEEE Aerospace and Electronic Systems Society (AESS) Tunisia Chapter** is proud to announce the **Summer 2025 Edition** of its **Mentorship Program**, aimed at empowering students and early-career engineers through guided exposure to the vast and evolving fields within AESS. This edition introduces a two-phase structure and a project-based approach, paving the way for a potential global model for mentorship within IEEE AESS Chapters worldwide.

Duration:

Mid-August to Late September 2025 (~2.5 months) with Potential extension based on the program evolution.

Format:

Hybrid: Online mentoring sessions + Optional onsite engagements

Integration within TSYPI3



Mentor Profiles Sought:

To enrich the mentee experience, we are seeking seasoned professionals, researchers, and experts in various **AESS-relevant domains**, including but not limited to:

- Radar Systems
- Navigation Systems
- Avionics and Flight Electronics
- Telemetry and Remote Sensing
- Satellite Systems
- Unmanned Aerial Vehicles (UAVs)



Student / Graduate student mentorship program

- There's now a proposal to integrate the final capstone of this mentorship (mini-competition, awards, and project showcase) within TSYPI3, where AEES is already participating. This would give the program maximum visibility and impact. These requests are now on the table from the Tunisia Chapter: Support (~\$2,000) for symbolic prizes, prototyping materials, and event logistics, as well as formal integration with TSYPI3, where the final challenge would be held on stage and covered within their communications.

**IEEE AEES^{TN}
Mentorship
Program**



**Meet our
Mentor**

**Amine
Ellouze**

- **Ceo and Trainer
at Robology**
- **Areas of Expertise:
Drones**

*Helping shape
tomorrow's innovators*

**IEEE AEES^{TN}
Mentorship
Program**



**AmenAllah
Mselmi**

Program
Coordinator

*Helping shape
tomorrow's
innovators*

**IEEE AEES^{TN}
Mentorship
Program**

**Call For
Program Coordinator**

Drive The Mission. Coordinate The Vision.



**IEEE AEES^{TN}
Mentorship
Program**

Hurry!

1^{One} Day Left To Apply

Mentor & Mentee



Introduction to AI in Aerospace:

Edge Computer Vision Techniques and
Overcoming MLOps Challenges in Space

Scan to Join on:

12 April

8PM GMT+

Held Via
Microsoft Teams

Link: bit.ly/aesstrn_eduw

Kayoun Djedidi

- PhD candidate in Telecommunications at INRS Montreal
- Co-founder of OORB, award-winning robotics
- IEEE leader with 5+ years of global volunteering
- Expert in embedded systems, FPGA, and Edge AI

AESST

TUNISIA SECTION CHAPTER

AESST

TUNISIA SECTION CHAPTER

























ROBOTIC SYSTEMS DESIGN & INTEGRATION

From Architecture to Implementation



Mr. KAYOUM DJEDIDI

- PHD STUDENT IN TELECOMMUNICATIONS AT INRS MONTREAL
- ENGINEERING DEGREE IN MICROELECTRONICS & EMBEDDED SYSTEMS
- CEO & CO-FOUNDER OF OORB (OPEN ORGANIC ROBOTICS)
- IEEE AESS GRADUATE STUDENT SCHOLARSHIP
- IEEE STEM CHAMPION 2025


10 | 2025
september

20:00








IEEE Tunisian RAS Student and Young Professional Congress 2nd Edition

ATEC

ATEC 2024

espirit
IEEE STUDENT BRANCH

Kayoum Djedidi

Edge Computer Vision Techniques and
Overcoming MIOps Challenges in Space

2 October at 20H






From IEEE to MVP: Building Startups as a Student or Young Researcher

 28 March 2025
  06:00 P.M. (GMT +3)



Kayoum Djedidi

PhD Candidate in Telecommunication at INRS Montreal
 CEO & Co-Founder of OORB Open Organic Robotics
 IEEE AES5 Graduate Student Representative & BoG Member
 IEEE IES VP Activities Co-Chair
 IEEE IES VP Media Relations and Strategic Initiative Chair
 IEEE ICCAD Conferences Publicity Chair


entrepreneurship.ieeer8.org



IEEE ISET'S

BOOTCAMP

EVENT

MANAGEMENT

kayoum jdidi

- CEO and co-founder of QORB.
- Final-year Microelectronics & Embedded Systems Engineering student.
- Chair of IEEE TSYP11.
- Former Chair of IEEE ESSTHS.
- IEEE AESG Graduate Student Representative.

📅 WEDNESDAY ,29 JANUARY 2025

🕒 START AT 20:30

📍 ONLINE





IEEE



IEEE



ISET Kairouan



ISET Nabeul



IEEE



Ramadan Webinar

Funding and Grants for Research and Innovation



Kayoum Djedidi

- Microelectronics & Embedded Systems Engineer
- CEO & Co-founder of OORB
- Member of the AES5 Board of Governors
- AES5 Graduate Student Representative
- Member of the IEEE IES YP Committee
- Chair of TSYP11
- Founder of IEEE ES5TH5 SB

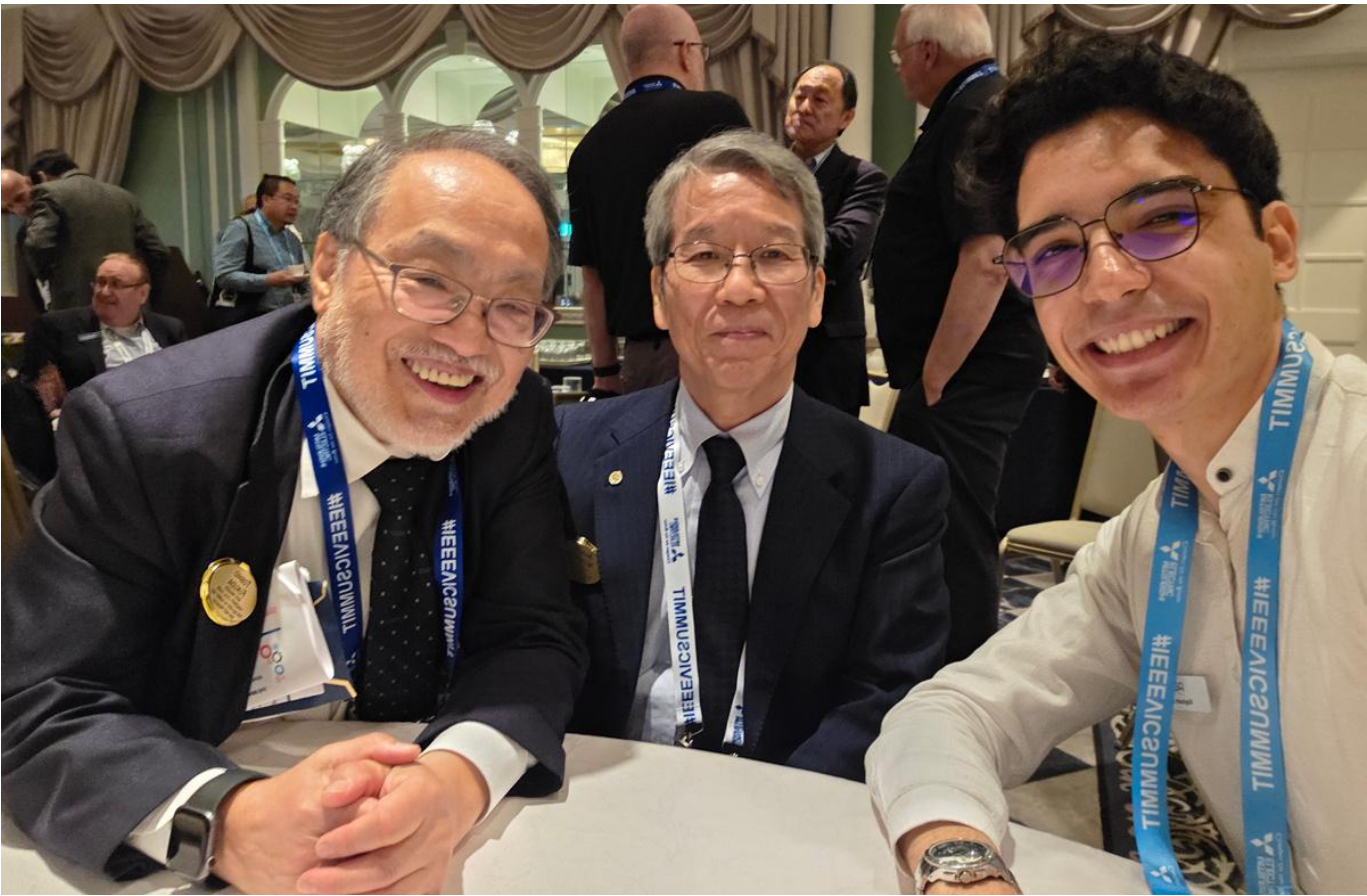
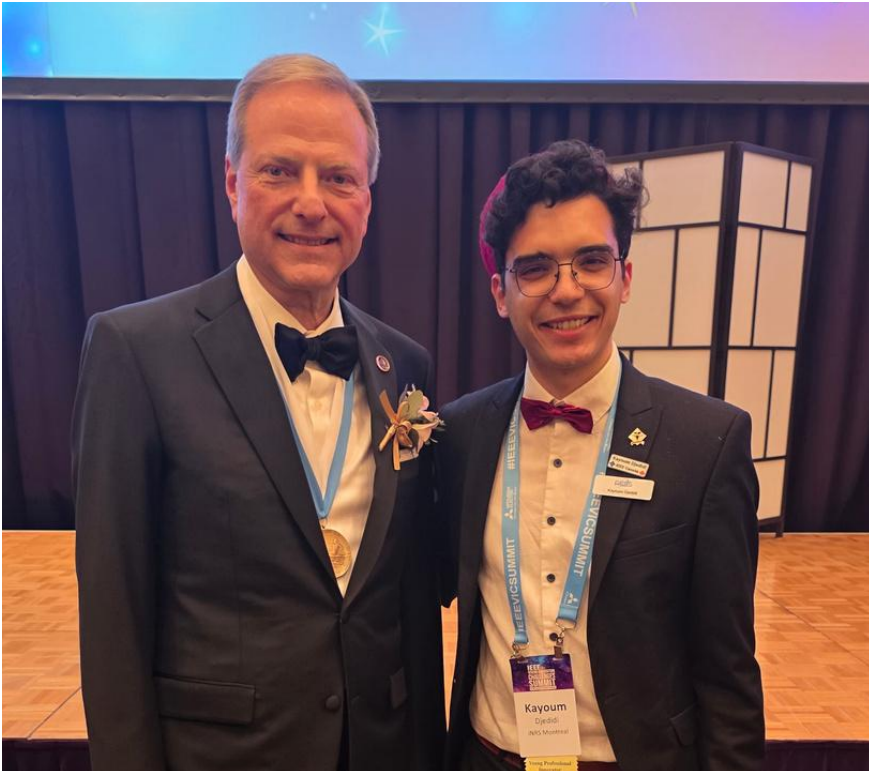
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MARCH 24 th

 Via Webex

IEEE ENET'Com Student Branch

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Focus:

Foster collaboration between academia and industry.

Actionable Steps:

- Organize an annual panel discussion featuring industry professionals and academic experts.
- Try to Partner with companies to create a job board for internships and entry-level positions.
- Facilitate joint research projects involving students and industry professionals.

OKRs:

- Objective: Strengthen the academia-industry relationship in aerospace and electronic systems.
- Key Result 1: Facilitate 5 collaborative projects annually.
- Key Result 2: Ensure 15 Graduate students participate in the internship/job board program.

Focus:

Separate from conference-specific initiatives, A new society-wide program to fund select SYP authors with accepted papers at AESS flagship conferences, honoring them as "AESS Conference Scholars" at a dedicated ceremony.

The Win-Win Rationale

Leverages vetted, high-quality authors for mutual benefit.

- For AESS: Boosts SYP membership, increases AESS visibility, and builds a future leadership pipeline.
- For Scholars: Provides a prestigious award, travel funding, and invaluable networking opportunities.

Strategic Goal: Connect Academia & Industry

This program serves as a direct platform for collaboration.

- Exclusive Panels: Scholars meet industry & academic leaders.
- Facilitate Research: Spark new joint projects through focused networking.

OKRs:

- **Key Result 1:** Increase student and graduate student paper submissions by 15% YoY for flagship conferences.
- **Key Result 2:** Achieve a 20% increase in overall SYP attendance at conferences featuring the Scholars program.
- **Key Result 3:** Convert 50% of non-member Scholars into AESS members.

Focus:

Serve as a liaison between the Graduate student community and the AESS Board of Governors.

Actionable Steps:

- Conduct regular surveys and focus groups to gather feedback.
- Establish an online communication hub on Collaboratec for direct interaction.
- Implement a bi-monthly communication plan to update students on AESS programs and opportunities.

OKRs:

- Objective: Ensure clear communication and responsiveness between students and AESS leadership.
- Key Result 1: Achieve a 60% satisfaction rate in annual student feedback surveys.
- Key Result 2: Publish 6 bi-monthly newsletters with an open rate of at least 50%.

Thank You!