



IEEE Aerospace Electronic Systems VP EDUCATION

Puneet Kumar Mishra

AESS Board of Governors Meeting – Fall 2025

10-11 Oct 2025

Krakow, Poland

- Total DLs in 2025 till now: 55
 - In-Person: 33
 - Virtual: 17
 - Hybrid: 5
- Appointment of VDL Chair has streamlined the VDL. Most of the VDLs
- Whether we need to Cap Total Expenditure on any individual DL?
 - 7DL
 - ~8K USD

- Topic: Space Technologies
- Place: Germany/Italy/~~Greece~~
- Planned Dates: Oct 13-14 (Italy) & Oct 16-17 (Germany)
 - Judiciously decided to minimize the travel expenditure
- DLs: Giovanna, Vince, Puneet, +one Local Expert
- Status: Could Not be Accomplished
- Reasons:
 - Local Chapter Leadership was unaware and non-supportive of the program
 - Involved interested individuals to take it forwards
 - However, could not be accomplished as fund flow for Venue and F&B need to be routed through Local Section/Chapter

- Possible Solution
 - Involve IEEE CEE Express Desk
 - Involve Conference Catalyst
 - Involve any other PCO to plan and execute the same. In case ConfCat is unable to do so
 - CIMGLOBAL can be an option. They have global presence and ready to work

- As per SPM Action it was planned to organize a short course as part of RadarConf 2025
- Contacted OC however No response from them
- We need to reach out all the AEISS fully/Partly Funded Conferences. Hopefully we may have success
- IEEE SPACE 2026 is willing to host one such short course
- Also it will be good idea to ask 2-4DLs to come together and propose new short courses on Recent and future trends in AEISS FOI.

- Organize all AESS Videos at ILN/Resources under this
 - Work Under Progress with ILN
- Collaborate with Prominent Universities to have Certification Courses/mini MBAs on AESS Field of Interest
 - Initiated Dialogue with IIM Mumbai for a pilot on Building Next-Gen Leaders in Space, Aerospace, defence (SPACE)
 - Targeted for Early-stage entrepreneurs, technologists, founders, incubates, scientists in SPACE and high-tech domain
 - 72.5 Hrs Module
 - Mode: Online + few days on campus
 - Batch size: 100-150
 - Fees: US\$2K
 - Surplus/Deficit Share: 70:30

Module No	Module Name	Session No	Sessions Details	Hours
1	Introduction to SPACE and other Hi-Tech Sectors and Technologies	1	Introduction and Key characteristics of SPACE sectors	2.5
		2	Global Ecosystem	2.5
		3	Emerging trends in Satellite technology, Digital Twins for Space Missions, In-Space Manufacturing and 3D Printing,	2.5
		4	GenAI for Space and Use Case	2.5
2	Understanding the SPACE Ecosystem	5	Domains in Space-Upstream, Midstream and downstream, differences & challenges	2.5
		6	Domains in Defence: Radars, Air defence, Cyber: differences and challenges	2.5
		7	Domains in Aerospace: TBD	2.5
		8	Regulations International Stakeholders, treaties, laws that apply to these sectors	2.5
3	Startup Foundations for SPACE	9	Technology, Intelligence and Readiness	5
		10	Opportunity Assessment frameworks for Strategic Sectors,	2.5
		11	Design Thinking for dual-use opportunities	2.5
		12	Product Development for SPACE, Minimum Viable Product	2.5
4	Startup Operations for SPACE	13	Designing Agile and Resilient Supply Chains for Space-Tech Startups	5
		14	Strategic Procurement and Supplier Development for High-Tech Startups	5
		15	Digital Technologies for start-ups: Digital Twins and Simulation, Blockchain	2.5
5	Startup Funding for SPACE	16	Understanding Startup Funding, Bootstrapping, Angel Investors, & Venture Capital	2.5
		17	Private and Institutional/Government Funding	2.5
		18	Designing funding strategy and Investor Pitch Preparation/Business Plan	2.5
		19	Valuation methods for early-stage SPACE start-ups	2.5
6	Protecting and Profiting from SPACE Start-ups	20	IP in strategic sectors	2.5
		21	Designing IP strategy for High-tech start-ups	2.5
		22	Tech-transfer and Strategic Partnerships for dual-use technologies	5
		23	Marketing for SPACE start-ups	5

- Puneet Proposes to initiate IEEE AEISS ISAC Webinar Series
- Background: With the rapid growth of Integrated Sensing and Communications (ISAC) as a cross-disciplinary field that bridges radar, communications, signal processing, and emerging applications, there is a unique opportunity for AEISS to lead this conversation by highlighting ISAC research from an AEISS perspective.
- Pros:
 - Webinar Series will provide a structured, recurring platform to showcase leading ISAC researchers, foster technical exchange, and enhance engagement across the AEISS community and beyond.
- Cons:
 - AEISS Resources and support for virtual delivery of Webinar Series like VDL
- Financial Implications: Will be Part of ConfCat VDL support

Thanks