

Industry and Academia are Gathered Together to Celebrate  
75<sup>th</sup> Anniversary of IEEE AP-S

**6G****Next-Gen RF, 5G Evolution to 6G, and Solutions:  
Meeting Tomorrow's Challenges Today**

## Invitation

We are excited to invite you to an exclusive session on Next-Gen RF, 5G Evolution to 6G, and Advanced Microwave Solutions at the Indian Institute of Technology, Palakkad. This session will delve into the cutting-edge technologies and tools that are shaping the future of RF and microwave industries.

**Topics Covered** Demo/ hands-on / interactive session with experts

- 5G NR – Physical Layer Test
- RF Component Test
- 6G Wide Band Signal Generation and Analysis
- MIMO Technologies for 6G Cellular Systems
- Microwave to mm-wave MIMO Antennas for 6G Cellular Communication
- Phased Array Antennas at S and C-bands for Various Applications
- Machine Learning and AI for 6G and Beyond Networks

Join us for an in-depth exploration of these exciting advancements and discover how they're poised to meet the increasingly complex challenges in the field of RF & Microwave technology.

## Event Details

**It is an offline event**

Scan to register



**Time : 09:30 AM – 05:30 PM**



**31<sup>st</sup> August 2024**

### Venue:

Room No: A01-212,  
Sarashwathi Block  
IIT – Palakkad, Kerala

**In Association with:**



IIT PALAKKAD

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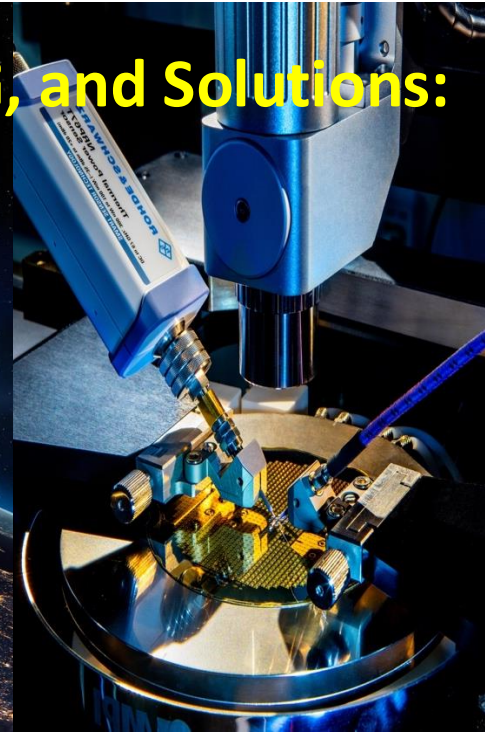
We look forward to seeing you at IIT Palakkad

**Register Now!**

# Next-Gen RF, 5G Evolution to 6G, and Solutions: Meeting Tomorrow's Challenges Today

# 6G

*Celebrating 75<sup>th</sup> Anniversary of IEEE AP-S*



## Agenda

Timings	Session Expert	Topic
9:40 AM	Dr. Revathy P	Welcome Address by the HoD, Electrical engineering, IIT Palakkad
9:50 AM	Dr. Muhammed Kasim S	Keynote Speech by the Chairman, IEEE Kerala Section
10:00 AM	Vishnu V K	About Rohde & Schwarz
10:15 AM	Varanasi Pavan Kumar	5G NR – Physical Layer Test
11:00 AM	Tea Break	
11:15 AM	Madhusudhan	RF Component Test
12:00 PM	Varanasi Pavan Kumar	6G Wide Band Signal Generation and Analysis
12:30 PM	Lunch	
1:30 PM	Dr. Jobin Francis	MMO Technologies for 6G Cellular Systems
2:00 PM	Dr. Sukomal Dey	Microwave to mm-wave MIMO Antennas for 6G Cellular Communication
2:30 PM	Dr. Swaroop Sahoo	Phased array antennas at S and C-bands for various applications
3:00 PM	Dr. Sabarimalai Manikandan	Machine Learning and AI for 6G and Beyond Networks
3:30 PM	Tea Break	
3:45 PM	Hands on Training	
5:30 PM	Vote of Thanks by Mr. Arijit Mitra (Vice Chairman, IEEE Antenna and Propagation Society, Kerala Chapter)	

