



IEEE MTT-S International Microwave Symposium (IMS2025) Media Kit

15-20 JUNE 2025 | MOSCONE CENTER | SAN FRANCISCO, CA | [IMS-IEEE.ORG](https://ims-ieee.org)





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ABOUT IMS2025

The IEEE MTT-S International Microwave Symposium (IMS2025) is the world's foremost conference covering the UHF, RF, wireless, microwave, millimeter-wave, terahertz, and optical frequencies; encompassing everything from basic technologies to components to systems including the latest RFIC, MIC, MEMS and filter technologies, advances in CAD, modeling, EM simulation and more. The IMS includes Technical and Panel Sessions, Exhibition, Student Competitions, Workshops, Bootcamps, Networking Events, and more.



Steven Rosenau
General Chair



Jay Banwait
General Co-Chair



IMS BY THE NUMBERS

WHO ATTENDS IMS?

Top Job Functions:

Design Engineering	15.02%
Marketing/Sales	13.74%
Executive/Senior Management	11.65%
Student	9.13%
Professor/Academic Research	9.07%
Engineering Management	6.05%
Research & Development Industry	6.01%
Engineering Services	3.24%
Manufacturing/Production	
Engineering	3.24%
Government Research	
& Development	2.99%
Executive/Senior	
Technology Development	2.89%
Engineering Services	2.73%
Application Engineer	2.13%
Other	15.34%

At What Frequency Do Attendees Work?

RF	45%
Microwave	25%
Millimeter-Wave	18%
Terahertz	2%
Other	9%

9,000+

Total Attendees

Companies include Apple, Meta, Google, Boeing, Amazon, Northrup Grumman and Viasat

500+

Exhibitors

Companies include Analog Devices, Qorvo, MACOM, Quantic, Rhode & Schwarz

34%

First-Time Attendees

65+

Number of Countries

Technical Program

200+

Technical Sessions

700+

Paper Submissions

SCHEDULE AT-A-GLANCE



SUNDAY
15
JUNE

- Workshops
- Quantum Bootcamp
- RFIC Technical Lecture
- AI/ML Bootcamp
- RFIC Plenary Session
- RFIC Symposium Showcase
- RFIC Reception

MONDAY
16
JUNE

- Workshops
- RF Bootcamp
- WPT Bootcamp
- RFIC Technical Sessions
- RFIC Panel Sessions
- Three Minute Thesis
- IMS Industry Showcase
- IMS Plenary Session
- IMS Welcome Reception

TUESDAY
17
JUNE

EXHIBITION HOURS: 9:30 – 17:00

- RFIC Technical Sessions
- IMS Technical Sessions
- IMS Student Design Competitions
- ISTEP/IMS/RFIC Joint Panel Session
- IMS Exhibition
- MicroApps Seminars
- Industry Workshops
- MTT-S Journals Reception
- Amateur (HAM) Radio Social
- Young Professionals (YP) Reception
- Women in Microwaves (WIM) Reception

SCHEDULE AT-A-GLANCE



WEDNESDAY
18
JUNE

EXHIBITION HOURS: 9:30 – 18:00

- IMS Technical Sessions
- IMS Interactive Forum
- IMS Panel Session
- IMS Exhibition
- MicroApps Seminars
- Industry Workshops
- Future G Summit
- Industry Hosted Reception
- MTT-S Awards Banquet

THURSDAY
19
JUNE

EXHIBITION HOURS: 9:30 – 15:00

- IMS Technical Sessions
- IMS Panel Session
- IMS Exhibition
- MicroApps Seminars
- Industry Workshops
- IMS Closing Session

FRIDAY
20
JUNE

- 105th ARFTG

SPONSORING SOCIETY

IEEE Microwave Theory & Technology Society (MTT-S)

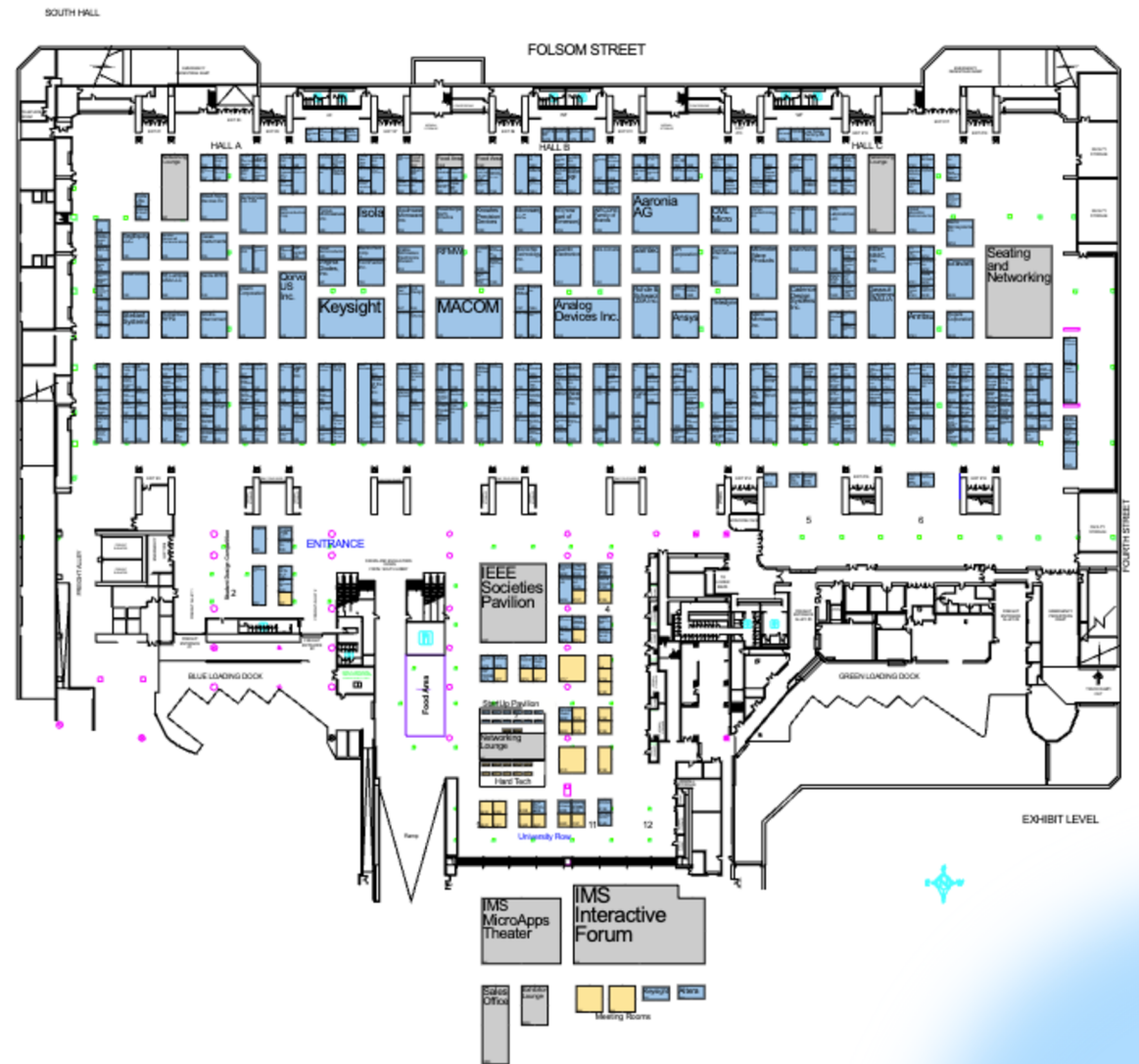
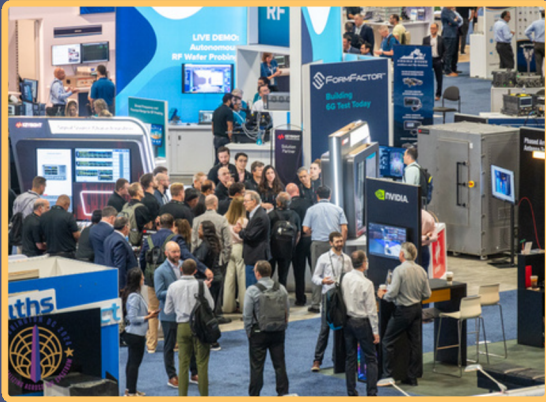
The IEEE Microwave Theory and Technology Society (MTT-S) sponsors IMS2025 as part of Microwave Week, which also includes the IEEE RFIC Symposium and ARFTG Conference, all co-located at the Moscone Center.

MTT-S is a global professional society with over 14,000 members and 350 chapters dedicated to advancing RF, microwave, millimeter-wave, and terahertz technologies. For over 60 years, MTT-S has driven innovation, professional development, and knowledge-sharing in these fields.

The society publishes leading technical journals, including IEEE Transactions on Microwave Theory and Techniques and the Microwave Magazine, and organizes world-class conferences, workshops, and education programs. More information on publications and membership can be found at mtt.org.



IMS2025 FLOORPLAN



IMS2025 CONFERENCE THEMES



IMS2025 explores cutting-edge advancements shaping microwave and RF innovation, emphasizing Silicon Valley's legacy in high-tech R&D and startups.

Systems & Applications

Advancing integrated RF, microwave, and THz systems for real-world applications.)

- Radar, phased arrays, and next-gen communications (6G+)
- Smart sensing for homes, vehicles, and manufacturing
- High-power microwave applications for various industries

Aerospace & Security

Leveraging the electromagnetic spectrum for defense, security, and space technologies.)

- Secure communications, navigation, and remote sensing
- LEO satellites, CubeSats, and Unmanned Aerial Systems (UAS)

Chips for Critical Infrastructure

Addressing the strategic role of semiconductors in AI, IoT, defense, and emerging industries.)

- Semiconductor advances enabling next-gen applications
- 3D heterogeneous integration and RF packaging for mmWave/THz

Emerging Tech & Entrepreneurship

Exploring breakthrough innovations shaping the future of RF & microwave technology

- AI/ML in system design, quantum computing, and sustainability
- RF over fiber, terahertz systems, and disruptive startup innovations

RFIC PLENARY SESSION

Sunday, 15 June 2025 | 17:30 - 19:00

RFIC in the Age of 6G: Challenges, Innovations, and Future Directions



Dr. John Smee

Senior Vice President of Engineering, Qualcomm

Key Takeaways for Media:

- 6G is driving a major evolution in RFICs to support faster, smarter wireless communication.
- On-device AI and edge computing are increasing wireless data demands and connected device density.
- New spectrum integration (6–15 GHz) will boost coverage and power efficiency in future networks.
- RFICs will enable 6G innovations like ambient IoT, RF sensing, and full duplex communications.

Next-Gen RFICs: Redefining Data Centers and Wireless Networks for the AI Era



Maryam Rofougaran

Chief Executive Officer and Co-Founder, Movandi

Key Takeaways for Media:

- AI is fueling a data surge, driving demand for faster, more efficient connectivity.
- High-frequency RFICs unlock ultra-fast, low-latency links in both wireless networks and data centers.
- Sub-THz RFICs enable greener, scalable data center interconnects by reducing power use and latency.
- Breakthrough RFIC tech powers next-gen applications like 5G/6G, radars, sensors, and satellite comms.

IMS PLENARY SESSION

Monday, 16 June 2025 | 17:30 - 19:00

Antenna Arrays for Communications, Positioning, and Sensing: Emerging Applications and Challenges



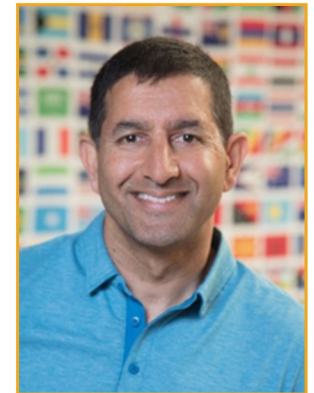
Arogyaswami J Paulraj

Emeritus Professor (Research), Department of Electrical Engineering, Stanford University

Key Takeaways for Media:

- Advancements in antenna arrays for wireless communication, positioning, and sensing
- The increasing role of AI in optimizing antenna performance
- Key RF and antenna design challenges for academia and industry
- Applications across telecom, defense, and autonomous systems

Powering the Next Generation of RF Systems



Jin Bains

Chief Executive Officer, Mini-Circuits

Key Takeaways for Media:

- Advances in RF and microwave technologies for next-gen systems
- New intersections between microwave theory and emerging tech
- Impact of RF design, measurement, and manufacturing
- Innovations in wireless, satellite, automotive, and quantum computing
- Role of RF in energy efficiency and sustainability

IMS CLOSING SESSION

Thursday, 19 June 2025 | 15:30 - 17:00

Next Generation Networking in the Data Center



David F. Welch, PhD.

Founder and CEO, AttoTude Inc.

Key Takeaways for Media:

- Advances in low-power interconnections for data centers
- Scalable architectures for AI-driven data center networking
- Integration of pluggable and co-packaged solutions for efficiency
- Addressing power, cost, and scale challenges in next-gen networking



**MTT-S AWARDS
BANQUET
WEDNESDAY,
18 JUNE 2025**



RECOGNIZING EXCELLENCE AT IMS2025

The MTT-S Awards Banquet will honor this year's awardees and feature exciting entertainment. Award categories include:

- Distinguished Educator Award
- Distinguished Service Award
- Journal of Microwaves Best Paper Award
- Microwave Application Award
- Microwave Career Award
- Microwave Magazine Best Paper Award
- Microwave Pioneer Award
- Microwave Prize
- N. Walter Cox Award
- Outstanding Young Engineer Award
- Tatsuo Itoh Award
- The THz Science and Technology Best Paper Award

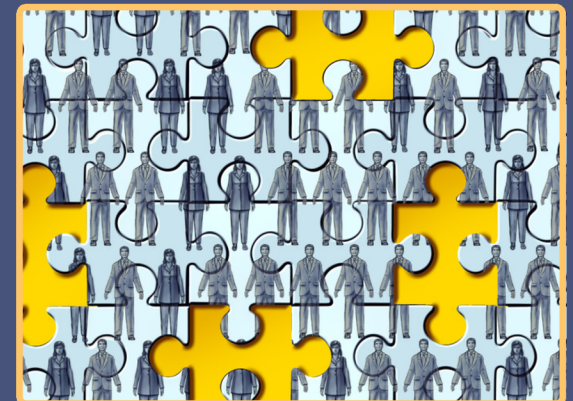
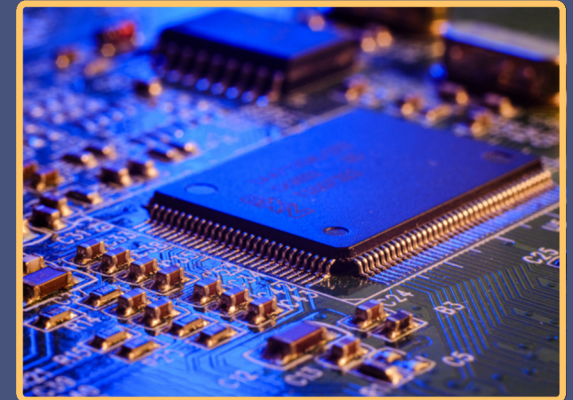
Note: The MTT-S Awards Banquet is not included with the press registration, a separate ticket would need to be purchased. Winners will be shared separately.

Past awardees can be found here: <https://mtt.org/past-awardees/>

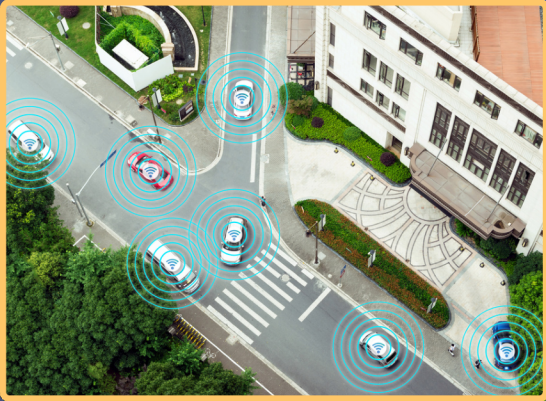
INDUSTRY FACTS

RF & Microwave Market Growth

- The global microwave devices market size is calculated at USD 8.92 billion in 2025 and is forecasted to reach around USD 14.89 billion by 2034, (CAGR: 5.87%). ([Source](#))
- The System-on-a-Chip (SoC) market is expected to expand from USD 138.46B in 2024 to USD 205.97B by 2029. ([Source](#))
- 6G investments are increasing across government, academia, and industry, with first networks expected to launch by 2028. ([Source](#))
- The RF & Microwave portion of the space market is estimated to reach \$14B in 2031, at a compound annual growth rate (CAGR) of 7.26% during the forecast period 2021-2031. ([Source](#))
- Workforce Impact: Demand for RF engineers, AI experts, and cybersecurity specialists is growing, creating new hiring gaps. ([Source](#), [Source](#), [Source](#))



INDUSTRY FACTS



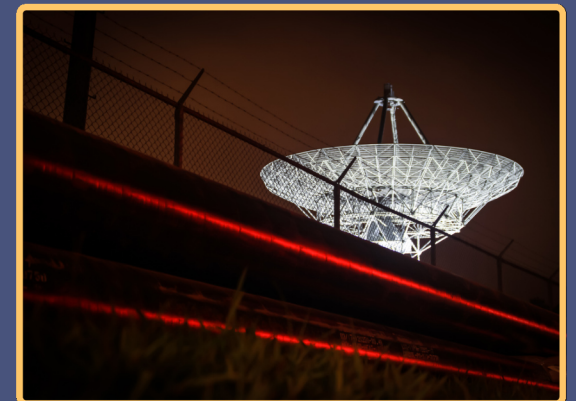
Industry Breakdown & Growth Trends

- Autonomous Vehicles: Market growth from \$1.9B (2023) to \$13.63B (2030) (32.3% CAGR). ([Source](#))
- System-in-Package (SiP): Expanding from \$14.8B (2020) to \$34.2B (2030) (9.7% CAGR). ([Source](#))
- Aerospace & Defense Electronics: Projected increase from \$23.5B (2024) to \$28.6B (2032) (2.51% CAGR). ([Source](#))
- Quantum Computing Hardware: Forecast to rise from \$719M (2023) to \$8.2B (2033) (31.2% CAGR). ([Source](#))
- SATCOM (Satellite Communications): Higher demand for bandwidth & power efficiency in military & commercial sectors. ([Source](#))
- Key Market Hubs:
 - APAC & Europe lead global RF & Microwave market share. ([Source](#))
 - California & Florida dominate U.S. satellite & radar industries. ([Source](#))

INDUSTRY FACTS

RF & Microwave in the Evolving Economy

- 5G/6G telecom expansion is driving new spectrum auctions and infrastructure investments, particularly in enterprise and government networks. ([Source](#))
- The number of IoT-connected devices is expected to exceed 30 billion by 2030, increasing demand for low-latency RF networks in smart cities, manufacturing, and healthcare. ([Source](#))
- RF-powered AI & automation are reducing latency in industrial settings, enabling faster wireless communications in defense, automotive, and digital healthcare. ([Source](#), [Source](#), [Source](#))
- Governments worldwide are tightening regulations on RF technologies, balancing national security concerns with the need for expanded spectrum availability. ([Source](#))



INDUSTRY STORYLINES



Wireless & Connectivity Innovations

- 6G Research & Spectrum Challenges - As 6G development accelerates, how will industries balance spectrum constraints, infrastructure demands, and new frequency bands?
- Private 5G & Enterprise Networks - The evolution of private 5G for industrial automation, defense, and high-security applications is reshaping wireless deployment strategies.
- RF & Satellite Integration for Global Connectivity - The demand for ubiquitous, high-speed connectivity is driving new approaches in SATCOM, RF-over-fiber, and hybrid networks.
- Revolutionizing Spectrum Efficiency - AI-driven Automated Frequency Coordination (AFC), cognitive radio, and dynamic spectrum access are emerging as key tools to combat congestion.

INDUSTRY STORYLINES

AI, Emerging Technologies & RF Breakthroughs

- AI-Driven Network Optimization – AI/ML is transforming RF design, predictive maintenance, and network adaptability for higher efficiency and lower latency.
- Quantum Meets RF: The Next Frontier – The intersection of microwave engineering and quantum computing is driving new developments in secure communications and advanced sensing.
- Digital Twins for RF System Simulation – RF engineers are leveraging real-time modeling and virtual prototyping to improve performance and reduce deployment risks.
- Semiconductor Innovations in RFICs & MMICs – Advances in 3D heterogeneous integration, ultra-high-speed packaging, and new materials are pushing RF performance boundaries.



INDUSTRY STORYLINES



Industry & Economic Impact

- RF's Role in the Autonomous Revolution – As autonomous systems scale, RF is critical for V2X, radar perception, and resilient, high-speed vehicle connectivity.
- IoT & Smart Infrastructure Growth – Expanding low-latency RF networks, wireless power transmission, and edge computing are reshaping industrial automation and smart cities.
- The RF Workforce Pipeline – As demand for high-frequency engineers, AI-integrated RF specialists, and quantum RF experts surges, how is the industry preparing the next generation?
- Defense & Aerospace Innovation in RF – From LEO satellite constellations to next-gen radar and electronic warfare, RF is driving mission-critical advances in global security.

MEDIA RESOURCES

Media Contact

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Event Contact

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Press Room

Room 104, South Lobby, Moscone Center

Hours:

- Monday, 16 June 2025: 13:00 - 16:00
- Tuesday, 17 June 2025: 08:00 - 17:00
- Wednesday, 18 June 2025: 08:00 - 17:00
- Thursday, 19 June 2025: 08:00 - 14:00

Press Releases

[Registration Opens for IMS2025; Plenary and Closing Session Speakers Announced](#)

[IMS2025 to Feature Next-Gen RF and Microwave Technologies,](#)

[Plans Largest Exhibit Floor Since 2019](#)

Creative Assets

<https://ims-ieee.org/2025ExhibitorPromotionToolkit>



**CONNECT WITH
#IMS2025**



WELCOME TO SAN FRANCISCO



The San Francisco Bay Area is the largest hub for RF/microwave and semiconductor companies, hosting a significant population of high-frequency/high-speed engineers and entrepreneurs. Silicon Valley, a global icon of technology, is nestled within this region and is synonymous with cutting-edge technology and innovation with tech giants like Hewlett-Packard, Intel, Apple, Google, Meta, and Nvidia. The valley's unique ecosystem, fueled by a tradition of entrepreneurship and culture that embraces risk and failure, is a model for innovation hubs worldwide. Silicon Valley continues to attract top talent and venture capital, driving progress through the Wireless Golden Gateway.

[Learn more](#)

[Traveling to and around San Francisco](#)

FUTURE IMS DATES

IMS2026 • Boston, MA • 7 - 12 June, 2026

IMS2027 • San Antonio, TX • 6 - 11 June, 2027

IMS2028 • Phoenix, AZ • 21-26 May, 2028

IMS2029 • Washington, DC • 10-15 June, 2029

IMS2030 • San Francisco, CA • 2-7 June, 2030

IMS2031 • Boston, MA • 1-6 June, 2031

IMS2032 • Nashville, TN • 23-28 May, 2032

