

THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.
NORTH JERSEY SECTION
MTT-Society & AP-Society Joint Chapters PRESENTS

39th ANNUAL SYMPOSIUM AND MINI-SHOW

THURSDAY, OCTOBER 9, 2025

Hanover Manor, 16 Eagle Rock Ave., East Hanover, NJ 07936. 973-992-7425

TECHNICAL SYMPOSIUM from 8:20 AM - 5:00 PM

MINI SHOW featuring the latest products 9:00 AM - 4:30 PM

Registration is on-site. Section Home page: <http://sites.ieee.org/northjersey/>

| Time | Topic | Speaker | Title | Affiliation |
|-------------|---|-----------------------|---|---|
| 8:20 | Opening Remarks | George Kannell | Technical Chair IEEE MTT/AP | L3Harris |
| 8:30-9:00 | Direct RF Digitizer Technology Transforms Aerospace and Defense Systems | Rodger Hosking | Director of Sales | Mercury Systems |
| 9:00-9:30 | Electromagnetics as a Common Thread between Emerging Apps in AP, MTT, BioMed, & GRS | Dr. Branislav Notaros | AP-S President and Chair Distinguished Lecturer | IEEE MTT-S/AP Colorado State |
| 9:30-10:00 | Global Markets, Global Technology, & Global Students? | Dr. Ulrich L Rohde | Visiting Scientist at MIT.MTL President & Chairman | University of Joint Forces DE, Synergy Microwave |
| 10:00 | BREAK | | | |
| 10:30-11:00 | Electromagnetic Wave Propagation Modeling and Simulation | Dr. Levent Sevgi | Chair IEEE AP-S DL Professor | Istanbul Technical University (Emeritus) |
| 11:00-11:30 | Role of Electromagnetic Simulations and Digital Twins in Commercial Product Design | Dr. C. J. Reddy | Fellow IEEE, VP BD | Altair, IEEE AP-S |
| 11:30-12:00 | AI Enabled Electromagnetics for Humanity and Societal Advancement | R. Muralidharan | Prof-of-Practice & CTO | Tata Advanced Systems, IEEE AP-S |
| 12:00 | LUNCH | | | |
| 1:00-1:30 | Phase Shifters for Radar & Wireless Communication Systems | Dr. Shiban Koul | IIT Delhi, India IEEE Inter-Society, (AP-MTT-EMC) | Honorary Professor the Indian Institute of Technology |
| 1:30-2:00 | Implanted Coils & Antennas for Biomedical Wireless Power Transfer | Dr. Sima Noghianian | Distinguished Hardware Engineer AP-S Distinguished Lecturer | CommScope Ruckus Networks |
| 2:00-2:30 | Beaming Beyond Limits: Emerging Microwave Power Transfer Technologies | Dr. Ifana Mahbub | Associate Professor | University of Texas at Dallas |
| 2:30-3:00 | AI Based Digital Predistortion Design | Tim Reeves | Principal Application Engineer | MathWorks |
| 3:00 | BREAK | | | |
| 3:30-4:00 | Untold History of Specialty Electronics in Search & Rescue Efforts at the World Trade Center | Dr. John Kosinski | Principal Deputy for Technology (Chief Scientist), retired | U.S. Army I2WD circa 2001 |
| 4:00-4:30 | Design & Development of Flat Panel Phased Array Antennas for Wireless & Satellite Comms | Dr. Satish Shrama | Professor AP-S DL Distinguished Lecturer | College of Engineering San Diego State University |
| 4:30-5:00 | RF Detection and Identification Systems in Area Surveillance for Unmanned Aerial System (UAS) | Dr. David Padi | Business Relationship Manager | United Nations retired |
| 5:00 | Closing remarks | Kirit Dixit | Chair MTT/AP Symposium | Microcom Sales |

ALL ARE WELCOME (IEEE Membership not required). REGISTRATION IS ON-SITE

THERE IS NO CHARGE TO ATTEND THE SYMPOSIUM OR SHOW.

COMPLIMENTARY BREAKFAST / LUNCH INCLUDED FOR ALL

FURTHER INFORMATION

| | | | |
|---------------------------|----------------------|--------------|-----------------------------|
| General Event Chair | Kirit Dixit | 201-669-7599 | kdixit@microcomsales.com |
| Technical Program Chair | George Kannell | 973-284-3682 | george.kannell@L3Harris.com |
| Co-Chair AP/MTT Chapter | Dr. Anisha Apte | | anisha_apte@ieee.org |
| Chair AP/MTT Chapter | Dr. Ajay Poddar | 201-560-3806 | akpoddar@ieee.org |
| Vice-Chair AP/MTT Chapter | Professor Edip Niver | 973-596-3542 | edip.niver@njit.edu |
| Chair North Jersey | Dr. Emad Farag | | enfarag@ieee.org |

EVENT COORDINATORS

| | | | |
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