

MTT-S/AP-S/EMC-S Joint Chapter (CH10407)

Hyderabad Section

Chapter Activities Report 2023

CHAPTER OFFICE BEARERS 2023



Dr. Prashant Kumar Mishra
CHAIR



**Dr. Sulakshana
Chilukuri**
VICE CHAIR



Dr. G. Arun Kumar
SECRETARY



Dr. Vijay Kumar
TREASURER



K Sambasiva Rao
JOINT SECRETARY



Dr. Sandeep Chaturvedi
IMMEDIATE PAST
CHAIR

Membership Statistics as on 31 December 2023

- Total membership 936
- Associate Members 03
- Members 114
- Senior Members 50
- Life Senior Members 02
- Life fellows 01
- Student members 713
- Graduate student members 53

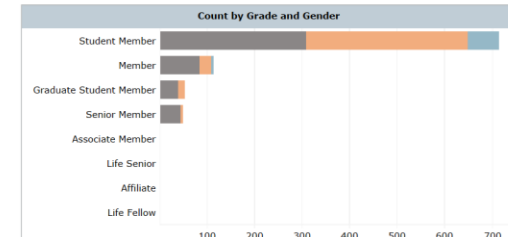
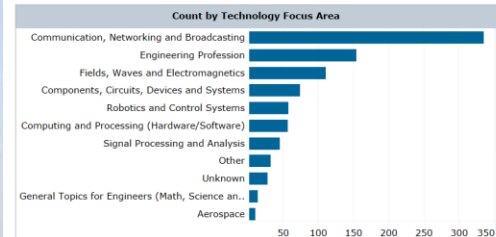
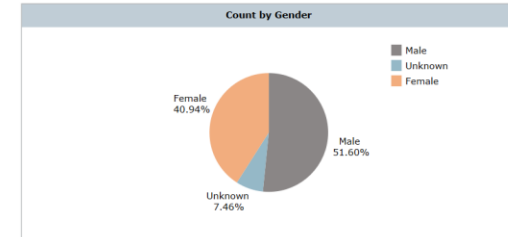
IEEE OU Analytics

Members and Affiliates - Dashboard

This dashboard provides interactive views for members, society affiliates, and participants by region, geographic council, section and subsection.
 • Refine data through filters or click within a visualization to view results and details.
 • Hover over a visualization to display a tooltip with statistical facts.
 • Important: Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.

Select OU of your Volunteer Role: All | Region: All | Section: All | Grade: All | IEEE Status: Active | HKN Member: All

Count by Region and Grade					
Region	Council	Section	Grade Category	Grade	Total
R10	India Council	Bangalore Section	IEEE Grades	Graduate Student Member	1
				Total	1
				Total	1
	Hyderabad Section	IEEE Grades	Associate Member	3	
			Graduate Student Member	53	
			Life Fellow	1	
			Life Senior	2	
			Member	114	
			Senior Member	50	
			Total	713	
Other Grades	Affiliate	1			
Total	Total	936			



Note: Data displayed is based upon volunteer access privileges.
 Data made available through this platform is IEEE Confidential Information. Please review the IEEE Guide to Classification of Documents policy for more information.

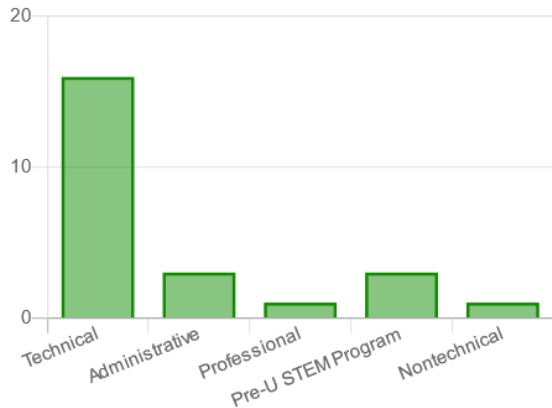
Event Details as on 31 December 2023

CH10407 - Hyderabad Section Jt Chapter, AP03/MTT17/EMC27 Charts ?

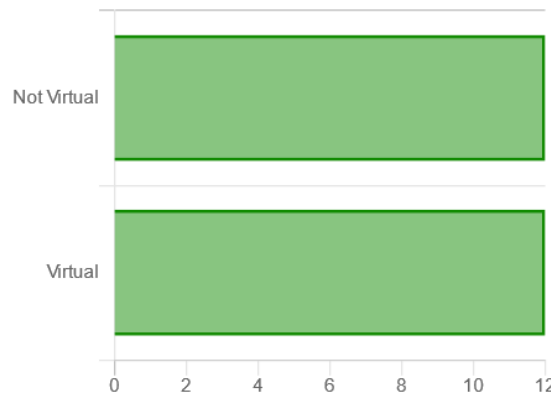
Name	Prof	Tech	Non-Tech	Admin	Hum	Pre-U	Total
Hyderabad Section Jt Chapter, AP03/MTT17/EMC27	1	16	1	3	0	3	24

■ Reported
 ■ Unreported
 ■ Future

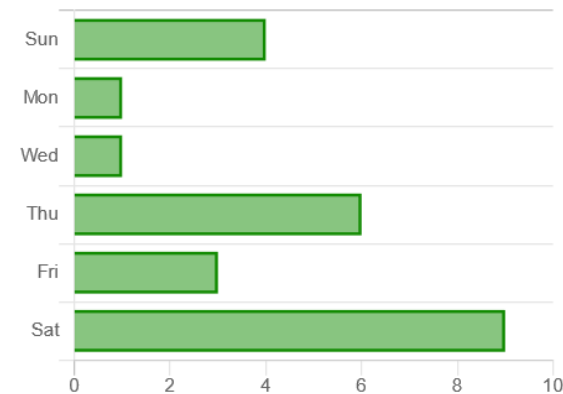
Events by Category



Virtual Events



Events by Day of Week



Event Details as on 31 December 2023

IEEE vTools **EVENTS**



VTOOLS ▾ **SEARCH** MY EVENTS MANAGE EVENTS API ABOUT CONTACT [Learn how to integrate Events](#) Welcome, Prashant Mishra

[Key: I want the new Search page.](#)






Advanced Search

Show Search Options

Displaying **all 24** events, sorted by Event Date [Download results as CSV](#)

Title	Date	Hosts	Location	Virtual?	Reported On	Options
MTT-S Expert Lecture on "Story of Electronic...	12 Feb 2023...	CH10407 - ...	Hyderabad, ...	No	12 Feb 2023	View Manage
A Two day Hands-on workshop on *Planar Mi...	09 Mar 202...	SBC17791 - ...	Hyderabad, ...	No	15 Mar 2023	View Manage
Awareness session on MTT-S Undergraduate ...	31 Mar 202...	CH10407 - ...		Yes	09 Apr 2023	View Manage
mm-Wave Sensors for Detection of Pollinatin...	26 Apr 2023...	SBC70701D...		Yes	30 Apr 2023	View Manage
An Overview of Quantum Radar : Hyderabad...	13 May 202...	CH10407 - ...		Yes	21 May 2023	View Manage
Net-zero Energy Harvesting and Battery-free...	18 May 202...	SBC70701B ...		Yes	24 May 2023	View Manage
From Metasurfaces to Electromagnetic Skins ...	23 Jun 2023...	CH10407 - ...		Yes	02 Jul 2023	View Manage
IEEE Hyderabad MTT/APS/EMC joint chapter ...	27 Jul 2023 ...	CH10407 - ...		Yes	29 Jul 2023	View Manage
Role of Engineers in Reversing Climate Chan...	30 Jul 2023 ...	WE00149 - ...		Yes	31 Jul 2023	View Manage


Event Details as on 31 December 2023

IEEE vTools EVENTS						
VTOOLS ▾ <u>SEARCH</u>		MY EVENTS	MANAGE EVENTS	API	ABOUT	CONTACT
						 Welcome, Prashant Mishra
Quantum Computing: What is it, how does it...	13 Aug 202...	CH10407 - ...		Yes	17 Aug 2023	View Manage
IEEE MTT-S/AP-S/EMC-S ExCom and Student...	20 Aug 202...	CH10407 - ...	Hyderabad, ...	No	21 Aug 2023	View Manage
IEEE AP-S COPE STEM Workshop for School ...	23 Sep 202...	CH10407 - ...	RangaReddy...	No	24 Sep 2023	View Manage
 IEEE Day Celebration: Better microwave d...	07 Oct 2023...	CH10407 - ...	Hyderabad, ...	No	10 Oct 2023	View Manage
 IEEE EMC-S DL on "Body Area Communica...	13 Oct 2023...	CH10407 - ...		Yes	16 Oct 2023	View Manage
Career Opportunities in RF and Microwave D...	14 Oct 2023...	CH10407 - ...	Hyderabad ,...	No	18 Oct 2023	View Manage
 Symposium of Research Scholar (SYRES- ...	28 Oct 2023...	CH10407 - ...	Hyderabad, ...	No	31 Oct 2023	View Manage
Advances in Tera Hertz Technology & Applica...	16 Nov 202...	SBC17791 - ...	Hyderabad, ...	No	25 Nov 2023	View Manage
IEEE AP-S DL on "Design of Compact and Wi...	25 Nov 202...	CH10407 - ...		Yes	28 Nov 2023	View Manage
IEEE AP-S COPE STEM WORKSHOP for Scho...	02 Dec 202...	CH10407 - ...	Warangal, A...	No	05 Dec 2023	View Manage
13th Acharya J. C. Bose Memorial Lecture on...	09 Dec 202...	CH10407 - ...	Hyderabad, ...	No	11 Dec 2023	View Manage
IEEE AP-S COPE STEM WORKSHOP at ZPHS ...	18 Dec 202...	CH10407 - ...	Ranga redd...	No	21 Dec 2023	View Manage
Expert Talk on "A Modified Graphical Approac...	23 Dec 202...	CH10407 - ...		Yes	23 Dec 2023	View Manage
 SILICON-BASED MILLIMETER-WAVE PHAS...	28 Dec 202...	SBC62881B ...	GUNTUR, A...	No	02 Jan 2024	View Manage
Chapter Excom and SBCs Faculty Advisors M...	28 Dec 202...	CH10407 - ...		Yes	31 Dec 2023	View Manage

Displaying all 24 events

1. Expert Lecture


EVENT DETAILS

 **Venue: Hotel Shubham Prestige, Hyd**

 **Topic: Story of Electronic Warfare:**

From Rhine to Ukraine

 **Speaker: Prof. G. S. Mani**

 **Date: 12th Feb 2023**

 **Time: 5.00pm – 6.30 pm**

 **No. of Participants: 24**

IEEE Hyderabad Section
MTT-S/AP-S/EMC-S Joint Chapter

IEEE Hyderabad Section
MTT-S/AP-S/EMC-S Joint Chapter

MTT-S
AP-S
EMC SOCIETY

Expert Lecture on Story of Electronic Warfare : From Rhine to Ukraine

SPEAKER



12th February, 2023 (Sunday)
5:00 pm to 6:30 pm (IST)
Venue: Hotel Shubham Prestige, Karmanghat, Hyd.

Link for registration: <https://forms.gle/MvUVgNsNN2aG739a6>


Prof. G.S. Mani,
Life Senior Member, IEEE
Former Director and Dean DIAT Pune, Former Chair, IEEE Pune Section, Chair, IEEE MTT/AP/EMC Joint Chapter Pune Section




2. Awareness Session in MTT-S UG and PG Fellowships

EVENT DETAILS

 **Venue: Online**

 **Topic: Awareness on MTT-S
Undergraduate and Graduate Fellowships**

 **Speaker: Dr. Zlatica Marinkovic**

 **Date: 31st March 2023**

 **Time: 6.30pm**

 **No. of Participants: 57**



IEEE Hyderabad Section
MTT-S/AP-S/EMC-S Joint Chapter

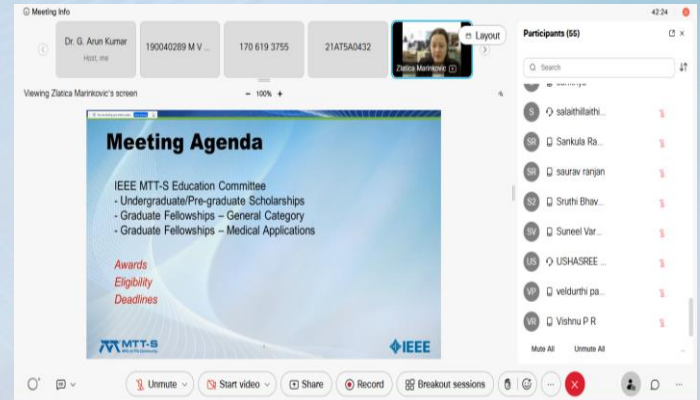
Awareness Session
on
MTT-S Undergraduate and Graduate
Fellowships

SPEAKER

Dr. Zlatica Marinković
Professor, University of Niš, Serbia
MTT_S EduCom UG Scholarships Chair

 31st March, 2023 (Friday)
 6:30 pm (IST)

Link for Registration:
<https://bit.ly/3FLa0YE>



Meeting Info

Dr. G. Anun Kumar (Host) | 190040289 M V... | 170 619 3755 | 21ATS0432 | Zlatica Marinkovic (C)

Viewing Zlatica Marinkovic's screen

Meeting Agenda

IEEE MTT-S Education Committee

- Undergraduate/Pre-graduate Scholarships
- Graduate Fellowships – General Category
- Graduate Fellowships – Medical Applications

Awards
Eligibility
Deadlines

Participants (56)


- Q salathallah...
- Q Sankula Ra...
- Q saurav ranjan
- Q Sruthi Bhav...
- Q Suneel Var...
- Q USHASREE ...
- Q veldurthi pa...
- Q Vishnu P R

Unmute | Start video | Share | Record | Breakout sessions

3. IEEE AP-S Young Professional Ambassador Talk

EVENT DETAILS

 Venue: Online

 Topic: mm Wave Sensors for
Detection of Pollinating Insects

 Speaker: Dr. Adam Narbudowicz

 Date: 26th April 2023

 Time: 06.30pm

 No. of Participants: 31

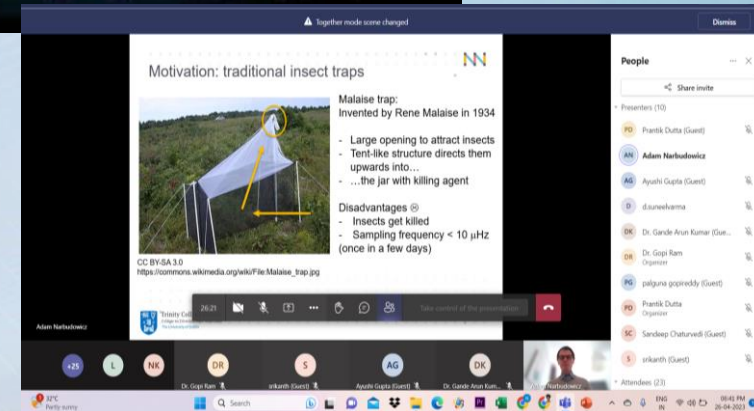


IEEE AP-S/MTT-S SBC-NIT WARANGAL
in association with
**IEEE MTT-S/AP-S/EMC JOINT CHAPTER
HYDERABAD SECTION**

SPEAKER
DR. ADAM NARBUDOWICZ
SFI STARTING INVESTIGATOR
TRINITY COLLEGE DUBLIN, IRELAND.
LEADING TEAM LAB
PART-TIME ASSOCIATE PROFESSOR
WROCLAW UNIVERSITY OF SCIENCE AND
TECHNOLOGY, WROCLAW, POLAND

PRESENTS
**mm-Wave Sensors for Detection
of Pollinating Insects**

Date: 26th April 2023
Time: 6:30 PM (IST)
(Virtual platform)



together made some changes

Motivation: traditional insect traps

Malaise trap:
Invented by Rene Malaise in 1934

- Large opening to attract insects
- Tent-like structure directs them upwards into...
- ...the jar with killing agent

Disadvantages Ⓞ

- Insects get killed
- Sampling frequency < 10 μHz (once in a few days)

CC BY-SA 3.0
https://commons.wikimedia.org/wiki/File:Malaise_trap.jpg

People

Presenters (10)

- Pratik Dutta (Guest)
- Adam Narbudowicz
- Ayushi Gupta (Guest)
- Idaruneeema
- Dr. Gande Arun Kumar (Sue...)
- Dr. Gopi Ram
Organizer
- pallava popreddy (Guest)
- Pratik Dutta
Organizer
- Sandeep Chaturvedi (Guest)

Attendees (23)

erikarth (Guest)

4. Expert Lecture

EVENT DETAILS

 **Venue: Online**

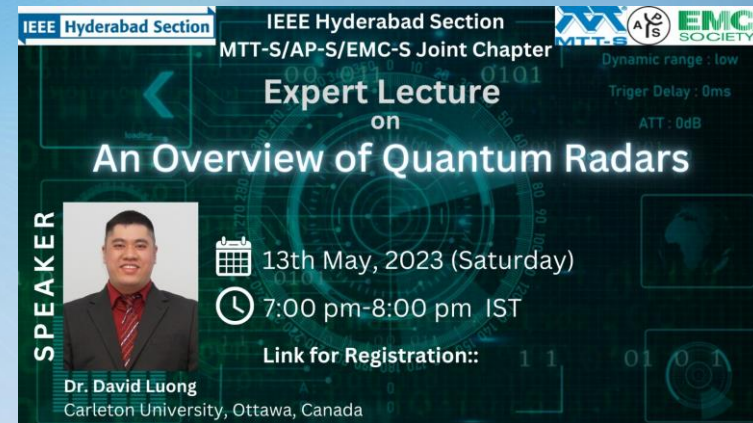
 **Topic: An Overview of Quantum Radars**

 **Speaker: Dr. David Luong**

 **Date: 13th May 2023**

 **Time: 7.00pm – 8.00pm**

 **No. of Participants: 32**




IEEE Hyderabad Section
MTT-S/AP-S/EMC-S Joint Chapter
EMC SOCIETY

Dynamic range : low
Trigger Delay : 0ms
ATT : 0dB

Expert Lecture on An Overview of Quantum Radars

SPEAKER



13th May, 2023 (Saturday)
7:00 pm-8:00 pm IST

Link for Registration::


Dr. David Luong
Carleton University, Ottawa, Canada



5. IEEE AP-S Young Professional Ambassador Talk

EVENT DETAILS

 Venue: Online

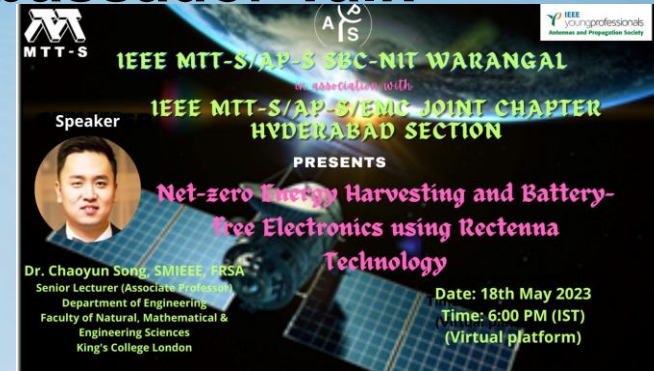
 Topic: Net Zero Energy harvesting
and battery free electronics using
Rectenna Technology

 Speaker: Dr. Chaoyun Song


 Date: 18th May 2023

 Time: 06.00pm

 No. of Participants: 40

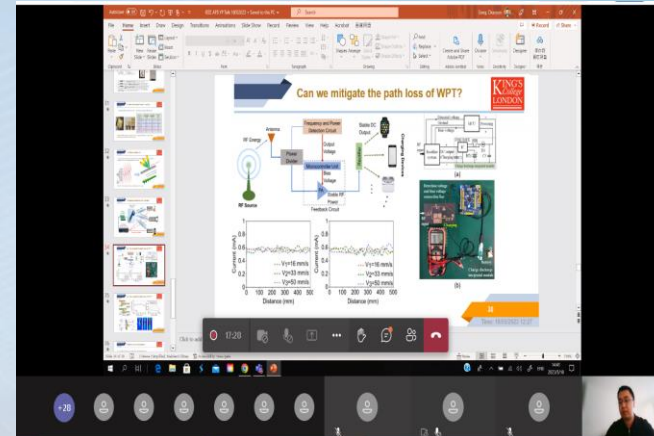


IEEE MTT-S/AP-S SBC-NIT WARANGAL
in association with
**IEEE MTT-S/AP-S/EMC JOINT CHAPTER
HYDERABAD SECTION**

Speaker

Dr. Chaoyun Song, SMIEEE, PRSA
Senior Lecturer (Associate Professor)
Department of Engineering,
Faculty of Natural, Mathematical &
Engineering Sciences
King's College London

PRESENTS
**Net-zero Energy Harvesting and Battery-free
Electronics using Rectenna
Technology**

Date: 18th May 2023
Time: 6:00 PM (IST)
(Virtual platform)




Can we mitigate the path loss of WPT?

The slide displays a block diagram of a Wireless Power Transfer (WPT) system. It shows an RF source connected to a rectifier circuit, which is then connected to a load. The diagram includes labels for 'RF Source', 'Rectifier', 'Load', and 'Rectenna'. Below the diagram, there are two graphs showing the relationship between distance and power. The first graph plots Power (mW) vs. Distance (m) for different rectifier efficiencies (η_{rect} = 0.1, 0.2, 0.3, 0.4, 0.5). The second graph plots Power (mW) vs. Distance (m) for different rectenna efficiencies (η_{rectenna} = 0.1, 0.2, 0.3, 0.4, 0.5). The graphs show that power decreases significantly with distance, and higher efficiencies result in higher power levels at the same distance.


6. IEEE AP-S Young Professional Ambassador Talk


EVENT DETAILS

 Venue: Online

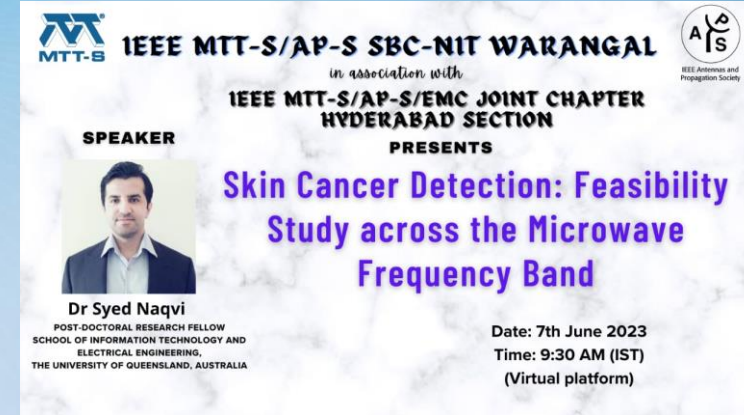
 Topic: Skin Cancer detection:
Feasibility Study across the Microwave
Frequency Band

 Speaker: Dr. Syed Naqvi

 Date: 7th June 2023


 Time: 9.30am

 No. of Participants:35



IEEE MTT-S/AP-S SBC-NIT WARANGAL
in association with
**IEEE MTT-S/AP-S/EMC JOINT CHAPTER
HYDERABAD SECTION**

SPEAKER

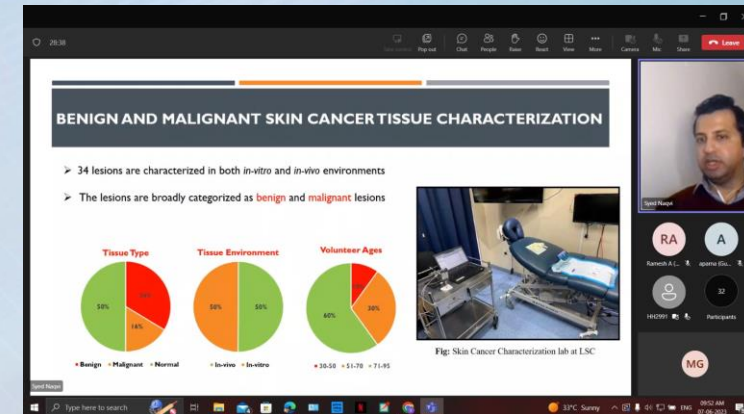


Dr Syed Naqvi
POST-DOCTORAL RESEARCH FELLOW
SCHOOL OF INFORMATION TECHNOLOGY AND
ELECTRICAL ENGINEERING,
THE UNIVERSITY OF QUEENSLAND, AUSTRALIA

PRESENTS

Skin Cancer Detection: Feasibility Study across the Microwave Frequency Band

Date: 7th June 2023
Time: 9:30 AM (IST)
(Virtual platform)



BENIGN AND MALIGNANT SKIN CANCER TISSUE CHARACTERIZATION

- 34 lesions are characterized in both *in-vitro* and *in-vivo* environments
- The lesions are broadly categorized as **benign** and **malignant** lesions

Tissue Type

Category	Percentage
Benign	50%
Malignant	20%
Normal	18%

Tissue Environment

Category	Percentage
In-vitro	50%
In-vivo	50%

Volunteer Ages

Age Range	Percentage
30-50	40%
51-70	30%
71-95	30%


Fig: Skin Cancer Characterization lab at LSC


7. Expert Lecture

EVENT DETAILS

 Venue: Online

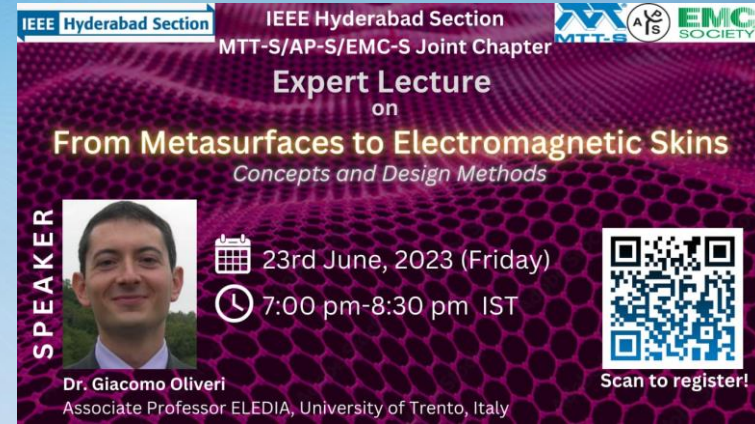
 Topic: From Metasurfaces to Electromagnetic Skins

 Speaker: Dr. Giacomo Oliveri

 Date: 23rd June 2023

 Time: 7.00pm – 8.30pm

 No. of Participants: 35



IEEE Hyderabad Section
EMC SOCIETY

IEEE Hyderabad Section
MTT-S/AP-S/EMC-S Joint Chapter

Expert Lecture
on
From Metasurfaces to Electromagnetic Skins
Concepts and Design Methods

SPEAKER

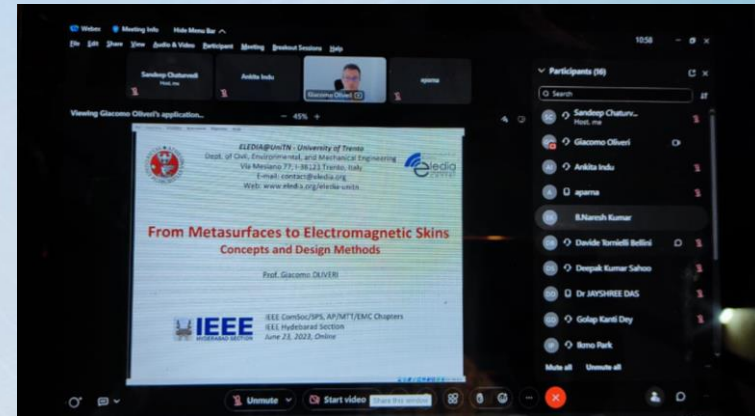


Dr. Giacomo Oliveri
Associate Professor ELEDIA, University of Trento, Italy

23rd June, 2023 (Friday)
7:00 pm-8:30 pm IST



Scan to register!



Meeting Info

Participants (35)

Viewing Giacomo Oliveri's application...

From Metasurfaces to Electromagnetic Skins
Concepts and Design Methods

Prof. Giacomo OLIVERI

ELEDIA@UNiTn - University of Trento
Dept. of Env., Environmental, and Mechanical Engineering
Via Mesiano 77 - I-38123 Trento, Italy
E-mail: contact@eledia.org
Web: www.eledia.org/info/en/contacts

IEEE Condo/JPS, AP/MTT/EMC Chapters
IEEE Hyderabad Section
June 23, 2023, Online

8. Chapter Execom Meeting on 27 July 2023


EVENT DETAILS

 Venue: Online

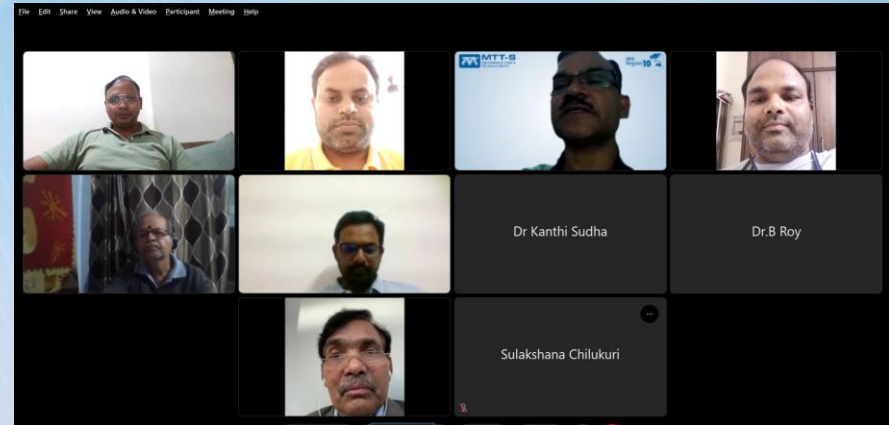
 Topic: Chapter Execom Meeting

 Speaker: Chapter Execom

 Date: 27th July 2023

 Time: 07.00pm – 09:00pm

 No. of Participants: 10



9. IEEE WIE Day Celebrations: Panel Discussion & Expert Talk

EVENT DETAILS



Venue: Online



Topic: Role of Engineers in reversing climate change and fostering green energy



Speaker: Dr. Celia Shahnaz, Dr. Bijuna Kunju K, Ms. Usha P Verma, Dr. Mennakshi Rawat



Date: 31st July 2023



Time: 6.00pm – 8:00pm



No. of Participants: 82

IEEE Hyderabad Section

IEEE WIE HYD SECTION IN ASSOCIATION WITH MTT/AP/EMC JOINT CHAPTERS PRESENTS

IEEE Women in Engineering Day Celebrations

ROLE OF ENGINEERS IN REVERSING CLIMATE CHANGE AND FOSTERING GREEN ENERGY

Expert Talk & Panel Discussion

SPEAKERS

Dr. Celia Shahnaz
Chair, IEEE Women in Engineering (WIE) Committee 2022-24
Professor, Dept. of EEE, BUET

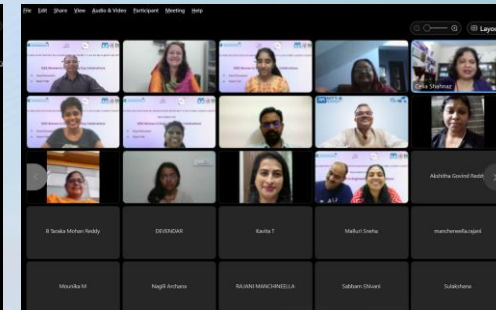
Dr. Bijuna Kunju K
Chair, IEEE-WIE, Kerala Section
Professor, Department of Electrical and Electronics Engineering, TKMCE, Kollam

Ms. Usha P Verma
Associate Director, ASL
DRDO Hyderabad

Dr. Mennakshi Rawat
Associate Professor
Department of ECE, Indian Institute of Technology, Rourkee

30th July, 2023
06:00 PM to 8:00 PM
On Webex Platform


#IEEEWIEDay
#inwed




10. Distinguished Microwave Lecture

EVENT DETAILS

 **Venue: Online**

 **Topic: Quantum Computing: What is it, how does it work and what are the opportunities for microwave engineers?**

 **Speaker: Prof. Joseph Bardin**

 **Date: 13th August 2023**

 **Time: 8.00pm – 10:00pm**

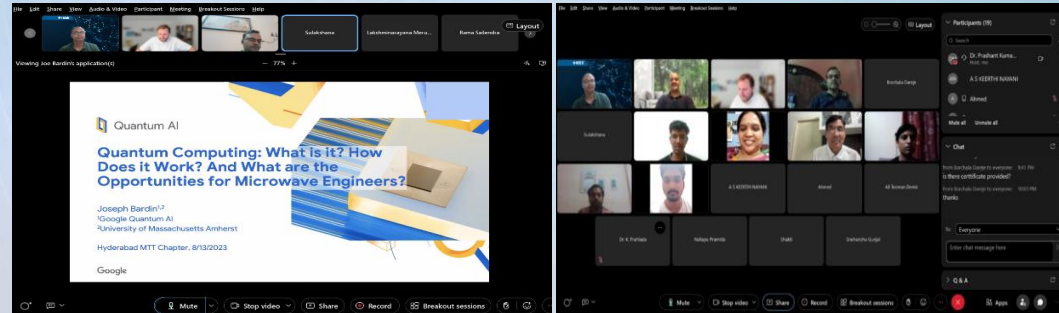
 **No. of Participants: 45**



IEEE MTT-S DML
on
QUANTUM COMPUTING: WHAT IS IT, HOW DOES IT WORK, AND WHAT ARE THE OPPORTUNITIES FOR MICROWAVE ENGINEERS?
13th August, 2023
20:00- 22:00, Time Zone Asia/Kolkata (UTC +05:30)
Organized by: Hyderabad Section Jt Chapter, AP03/MTT17/EMC27

Prof. Joseph Bardin
Department of Electrical and Computer Engineering, University of Massachusetts Amherst, USA

[Register Now](#)



The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide titled "Quantum AI" with the subtitle "Quantum Computing: What is it? How Does it Work? And What are the Opportunities for Microwave Engineers?". The slide lists the speaker as Joseph Bardin from the University of Massachusetts Amherst. The meeting interface includes a top navigation bar with options like "Share", "Audio & Video", "Participant", "Waiting Room", "Breakout Sessions", and "Help". A bottom control bar shows "Mute", "Stop video", "Share", "Record", and "Breakout sessions". On the right, a "Participants (15)" list is visible, and a "Chat" window is open at the bottom right.

11. Chapter Execom & SBCs Meet on 20 August 2023

EVENT DETAILS

Venue: Shubham Palace

Topic: Chapter Execom & Student

Branch Chapter Advisors meet

Speaker: Chapter Execom & SBC

Faculty Advisors

Date: 20th August 2023

Time: 11.00am – 01:00pm

No. of Participants: 21



The poster features logos for IEEE National Society, MTT-S, ACFE, and EMC Society at the top. The main text reads: 'IEEE MTT/AP/ EMC STUDENT BRANCH CHAPTER ADVISORS MEET'. Below this, it specifies the location: 'HOTEL SHUBHAM PALACE CHAMPAPET ON SBC MEET'. The date is 'FRIDAY 20th August 2023' and the time is '11.00 AM - 1.00 PM'. It also notes 'FOLLOWED BY LUNCH'. The background is dark blue with a white and yellow geometric pattern on the right side.



12. IEEE AP-S COPE STEM WORKSHOP

EVENT DETAILS


 Venue: ZPHS Rachloor, RR District

 Topic: IEEE AP-S COPE STEM
WORKSHOP

 Date: 23rd September 2023

 Time: 01.00pm – 05:00pm

 No. of Participants: 106




13. IEEE Day Celebrations

EVENT DETAILS

 **Venue: Prof. KK Nair Auditorium**

 **Topic: Better Microwave Devices with Novel Materials**

 **Speaker: Prof. James Raju K.C.**

 **Date: 07th October 2023**

 **Time: 5.00pm – 07:00pm**

 **No. of Participants: 74**



IEEE Hyderabad Section

IEEE MTT-S/AP-S/EMC-S Jt. Chapter Hyderabad Section
in association with
IEEE MTT-S SBC UCE Osmania University Celebrates IEEE Day

Guest Speaker

JOIN US FOR AN EXPERT TALK ON
Better Microwave Devices with Novel Materials

Date : 7 October, 2023 (Saturday)
Time : 05:00 PM (IST)
Venue : Prof. KK Nair Auditorium
Dept. of ECE, Osmania University

Registration Link
<https://forms.gle/D4Mxaj3NDfPNTDewZ>

Prof. James Raju K. C.
Dean, School of Physics
University of Hyderabad



14. IEEE EMC-S Distinguished Lecture

EVENT DETAILS

 Venue: Online

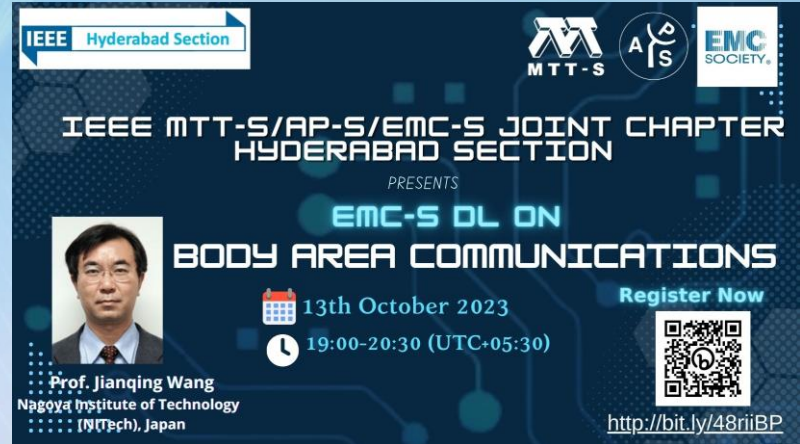
 Topic: Body Area Communications

 Speaker: Prof. Jianqing Wang

 Date: 13th October 2023

 Time: 07.00pm – 08:30pm

 No. of Participants: 35



IEEE Hyderabad Section

MTT-S A/S EMC SOCIETY

IEEE MTT-S/AP-S/EMC-S JOINT CHAPTER
HYDERABAD SECTION

PRESENTS

EMC-S DL ON
BODY AREA COMMUNICATIONS

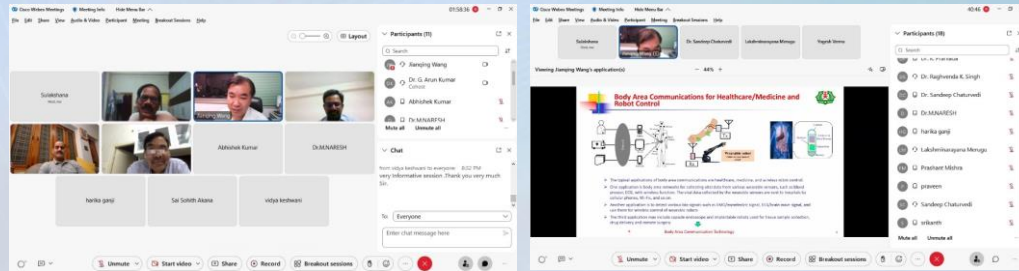
13th October 2023
19:00-20:30 (UTC+05:30)

Register Now

Prof. Jianqing Wang
Nagoya Institute of Technology
(NITech), Japan

<http://bit.ly/48riiBP>

The banner features a portrait of Prof. Jianqing Wang, the event title, date, time, and a QR code for registration. Logos for IEEE Hyderabad Section, MTT-S, A/S, and EMC Society are also present.




The image shows two screenshots of a Zoom meeting. The left screenshot displays the meeting grid with participants' video feeds and a chat window. The right screenshot shows a slide titled "Body Area Communications for Healthcare/Medicine and Robot Control" with a diagram and text.

15. Symposium of Research Scholar (SYRES-2023)


EVENT DETAILS

 **Venue: Matrusri Engineering College**

 **Topic: Symposium of Research Scholar
(SYRES-2023)**

 **Speaker: Dr. DR Jahagirdar, Dr. KP Ray**

 **Date: 28th October 2023**

 **Time: 09.00am – 05:30pm**

 **No. of Participants: 69**



The poster for SYRES-2023 features logos for IEEE Pune and Hyderabad Sections, MTT-S, A/C/S, EMC Society, JICAME, and IETM. It lists two keynote speakers: Dr. DR Jahagirdar, an Outstanding Scientist at RCI, DRDO Hyderabad, and Prof. KP Ray, Head of the Department of EE and Director of the School of Radar Technology at DIAT, DRDO Pune. The event is scheduled for 28 October 2023 from 09:00 AM to 05:00 PM at Matrusri Engineering College, Saidabad, Hyderabad. It is organized by the Joint Chapter of AP-SIMTT-SIEMC-S (JICAME), Pune, and MTT-S/AP-SIEMC-S Joint Chapter Hyderabad.



16. Three Days Workshop


EVENT DETAILS

 **Venue: Matrusri Engg. College**

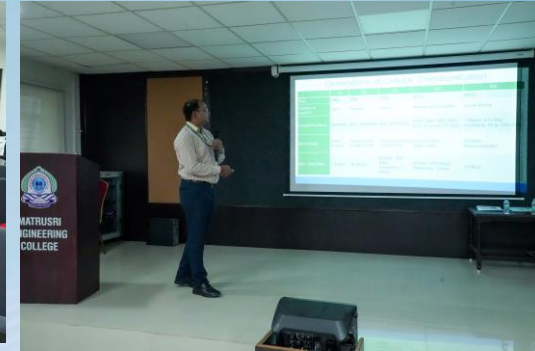
 **Topic: Advances in Tera Hertz
Technologies and Applications**

 **Speaker: Multiple Speakers**

 **Date: 16th – 18th November 2023**

 **Time: 09.00am – 05:00pm**


 **No. of Participants: 93**




17. IEEE AP-S Distinguished Lecture

EVENT DETAILS

 Venue: Online

 Topic: Design of Compact and Wide-band Antennas

 Speaker: Prof. Zhongxiang Shen

 Date: 25th November 2023

 Time: 06.00pm – 08:00pm

 No. of Participants: 60



IEEE Hyderabad Section

MTT-S AP-S EMC SOCIETY

IEEE MTT-S/AP-S/EMC-S JOINT CHAPTER
HYDERABAD SECTION

PRESENTS

AP-S DL ON
Design of Compact and Wide-Band Antennas

Register Now

25th November 2023
18:00 IST (UTC-05:30)
(Virtual Platform)

Prof. Zhongxiang Shen
Nanyang Technological University,
Singapore,

<https://events.vtools.ieee.org/event/register/383205>



REC

Design Strategies for the HIF Antenna

- Planar Bow-tie structure for traveling-wave excitation → Wide-band
- Ground plane coated with patterned ferrites → Alleviate the cancellation effect of image current
- Bow-tie wires are bent → Compact size
- Shorting wires to ground → Minimize the impedance variation from standing-wave current
- Effective use of the building

H. S. Ma, Y. H. Lee, and Z. Shen, "Ferrite coating design for near-ground HIF bowtie antenna," *IEEE Trans on Antennas and Propagation*, vol. 65, no. 4, pp. 2074-2078, April 2017.

NANYANG TECHNOLOGICAL UNIVERSITY

18. IEEE AP-S COPE STEM WORKSHOP

EVENT DETAILS

Venue: GHS Waddepally, Warangal

Topic: IEEE AP-S COPE STEM

WORKSHOP for School Children

Date: 02nd December 2023

Time: 14.30pm – 17:30pm

No. of Participants: 79


The poster features logos for MTT-S (MHz to THz Community), EMC SOCIETY, IEEE Hyderabad Section, and A/S (IEEE Antennas and Propagation Society). The text reads: "IEEE MTT-S/AP-S/EMC-S JOINT CHAPTER HYDERABAD SECTION in association with IEEE MTT-S/AP-S SBC-NIT WARANGAL ORGANIZING IEEE APS-S COPE WORKSHOP". It specifies the date as 02 December 2023, time as 02:30 PM to 5:30 PM, and venue as GHS WADDEPALLY, WARANGAL, TELANGANA. Below this, it lists "ORGANISING VOLUNTEERS" with two rows of circular portraits and names: Gopibeddy Falguna, Elaganvila Aparna, Anoothi Ramesh, Sihal Afroz, Lathiya Sriinvas, Akshara Kaira, Sai Krishna, K. Sudarshan, and Menak Ali.




19. 13th Acharya JC Bose Memorial Lecture


EVENT DETAILS

 **Venue: The Plaza Begumpet**

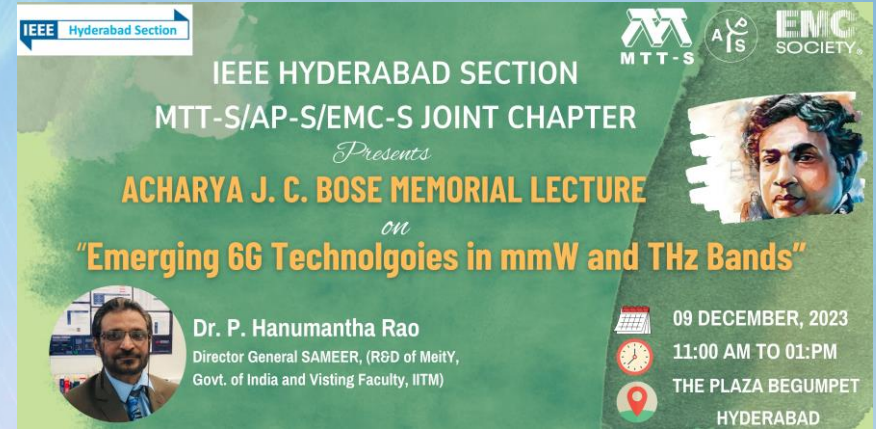
 **Topic: Emerging 6G Technologies in mmW and THz Bands**

 **Speaker: Dr. P. Hanumantha Rao**

 **Date: 09th December 2023**


 **Time: 11.00am – 01:00pm**




 **No. of Participants: 52**



IEEE Hyderabad Section

IEEE HYDERABAD SECTION
MTT-S/AP-S/EMC-S JOINT CHAPTER
Presents
ACHARYA J. C. BOSE MEMORIAL LECTURE
on
"Emerging 6G Technologies in mmW and THz Bands"

 **Dr. P. Hanumantha Rao**
Director General SAMEER, (R&D of MeitY,
Govt. of India and Visting Faculty, IITM)

 **09 DECEMBER, 2023**
 **11:00 AM TO 01:PM**
 **THE PLAZA BEGUMPET
HYDERABAD**



20. IEEE AP-S COPE STEM WORKSHOP


EVENT DETAILS

 **Venue: ZPHS, Narkhoda, Samshabad**

 **Topic: IEEE AP-S COPE STEM**

WORKSHOP

 **Date: 18th December 2023**

 **Time: 13.30pm – 16:30pm**

 **No. of Participants: 96**



IEEE MTT-S/AP-S/EMC-S JOINT CHAPTER HYDERABAD SECTION
in association with
IEEE MTT-S VARDHAMAN-SBC
Organizing
IEEE AP-S COPE WORKSHOP

ON MONDAY,
18 DECEMBER 2023
13:30 TO 16:30 HRS
ZPHS NARKHODA,
SHAMSHABAD

ORGANISING VOLUNTEERS

- Surya Chaitanya
- Narasimha Kamalakar
- M. Balasubraman
- J. Sri Varadhan
- V. Vijay Simha
- K. Karthikeyan
- M. Anurag
- R. Satish
- K. Lakshman
- N. V. Deepthi




21. Expert Talk

EVENT DETAILS

 Venue: online

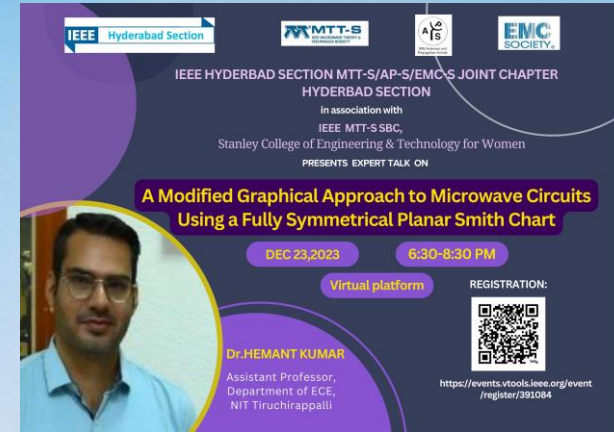
 Topic: Expert Talk on "A Modified Graphical Approach to Microwave Circuits Using a Fully Symmetrical Planar Smith Chart"

 Speaker: Dr. Hemant Kumar

 Date: 23rd December 2023

 Time: 06.30pm – 08:00pm

 No. of Participants: 31




IEEE Hyderabad Section | MTT-S | ACoS | EMC SOCIETY

IEEE HYDERABAD SECTION MTT-S/AP-S/EMC-S JOINT CHAPTER
HYDERABAD SECTION
In association with
IEEE MTT-S SBC,
Stanley College of Engineering & Technology for Women
PRESENTS EXPERT TALK ON

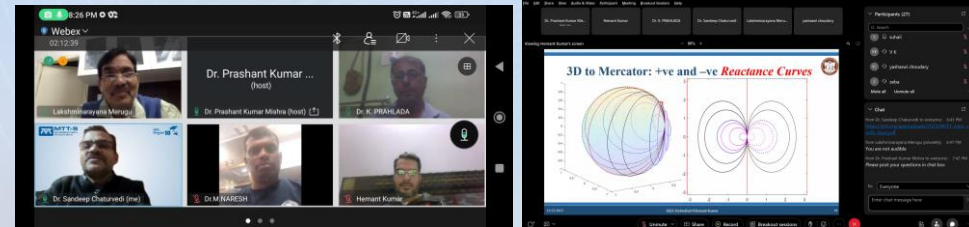
**A Modified Graphical Approach to Microwave Circuits
Using a Fully Symmetrical Planar Smith Chart**

DEC 23, 2023 | 6:30-8:30 PM

Virtual platform

REGISTRATION:

<https://events.vtools.ieee.org/event/register/391084>

Dr. HEMANT KUMAR
Assistant Professor,
Department of ECE,
NIT Tiruchirappalli




The top screenshot shows a Zoom meeting interface with a grid of participants. The bottom screenshot shows a presentation slide titled "3D to Mercator: +ve and -ve Reactance Curves". The slide contains two plots: a 3D sphere on the left and a 2D Smith chart on the right. The 3D sphere is colored with a gradient from blue to red. The Smith chart shows several curves plotted on the real and imaginary axes.

22. MTT-S Distinguished Lecture

EVENT DETAILS

 Venue: offline

 Topic: Silicon based Millimeter Wave Phased Arrays for 5G: Fundamentals to Future Trends

 Speaker: Dr. Bodhisatwa Sadhu

 Date: 28th December 2023

 Time: 03.00pm – 05:00pm

 No. of Participants: 140



KL **IEEE** **MTT-S** **IEEE** Guntur Subsection **IEEE** Hyderabad Section

IEEE MTT-S Distinguished Lecture
SILICON-BASED MILLIMETER-WAVE PHASED ARRAYS FOR 5G: FUNDAMENTALS TO FUTURE TRENDS

 **Dr. Bodhisatwa Sadhu**
Senior Research Scientist
IBMT, J. Watson Research Center
NY, USA

28th December 2023
3.00 pm IST

Register Now



NEW SEMINAR HALL
Koneru Lakshmaiah Education Foundation
Green Fields, Vaddeswaram, Vijayawada
Andhra Pradesh, India - 522302

Organised by
Department of ECE & IEEE MTT-S Student Branch Chapter
KONERU LAKSHMAIAH EDUCATION FOUNDATION
(Deemed to be University estd, u/s, 3 of the UGC Act, 1956)
(NAAC Accredited "A++" Grade University)
Green Fields, Guntur District, A.P., India – 522 302

In Association with
IEEE MTT/AP/EMC Society Joint Chapter, Hyderabad Section
And
IEEE Guntur Subsection



23. Chapter Execom and SBC Faculty Advisors Meeting

EVENT DETAILS

Venue: Online

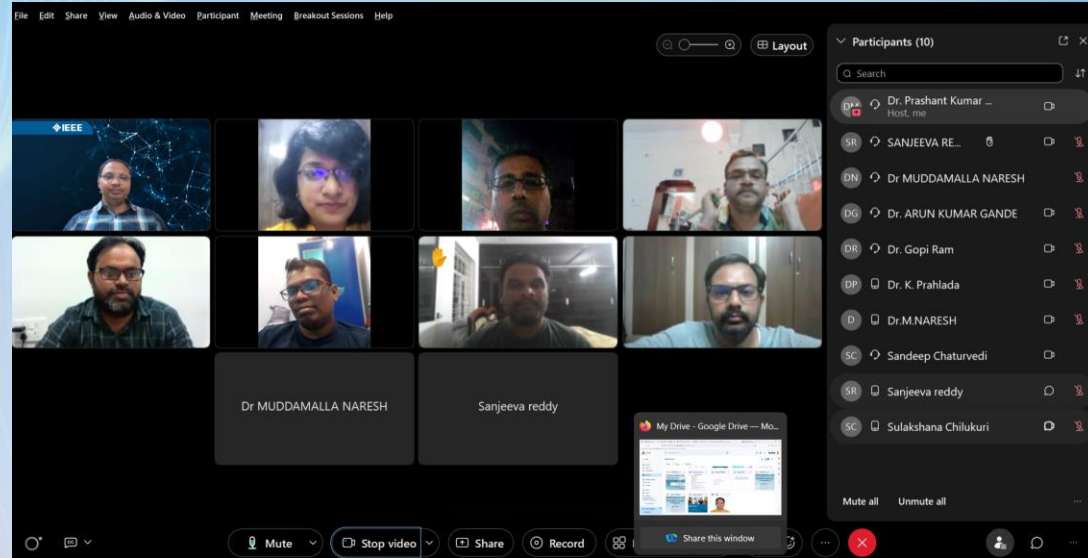
**Topic: Chapter Execom and SBC Faculty
Advisors Meeting**

Speaker: Chapter Execom

Date: 28th December 2023

Time: 07.00pm – 09:00pm

No. of Participants: 12



Chapter Outreach, CCM and Visits

1.

Hands-on workshop on RFPCB Fabrication Organized by Matrusri Engg College MTT-SBC

MTT-S
IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY

IEEE Hyderabad Section

**A Two Day Hands-on Workshop on
"Planar Microwave Circuit Fabrication"**
On 09.03.2023 & 10.03.2023

Organized jointly by:
Matrusri Educational Society, IEEE MTT-S/AP-S/
EMC-S Hyderabad Section Joint Chapter & IEEE
MECS MTT-S Student Branch Chapter

Chief Guest:
Dr. Shiban K Koul
Emeritus Professor,
CARE, IIT-Delhi

Guest of Honor:
Dr. Sandeep Chaturvedi
Chair -IEEE MTT-S/AP-S/
EMC-S, Hyderabad Section

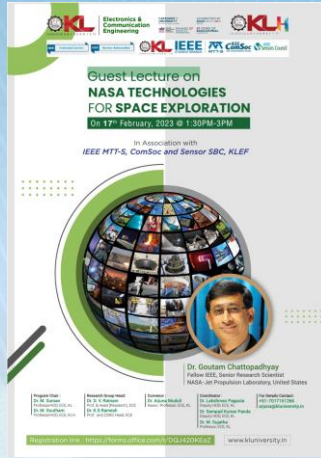
Venue:
M-101, R&D Lab
MECS, Hyderabad

Patrons:
Dr. K. P. Srinivas Rao, Chairman, MES
Sri. K. Krishna Kumar, Secretary, MES
Sri J. Sudhakar, Treasurer, MES
Dr. D. Hanumantha Rao, Principal, MECS
Dr. N. Srinivasa Rao, HOD-ECE, MECS

Organizers:
Dr. M. Nareesh, IEEE MECS MTT-S Chapter Advisor
Mrs. A.S. Keerthi Nayani, IEEE MECS SBC
Dr. K. Koteswar Rao, Assistant Professor, ECE Dept
Mr. A. Abhishek Reddy, Assistant Professor, ECE Dept



2. Visit to KLU Vijaywada and VITAP Amarawati MTT/AP SBCs



3. Visit to QISCET Ongole MTT SBC



4. Inauguration of GPCET Kurnool MTT-S and AP-S SBCs



5. Visit to QIS College of Engineering & Technology MTT SBC Ongole



6. Inauguration of MTT-S SBC at Stanley College of Engineering and Technology for Women, Hyderabad



7. Chapter Chair Meetings

- IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, July 23–28, 2023 • Portland, Oregon, USA
Attended by Dr. M. Lakshminarayana
- IEEE European Microwave Week (EuMW) 17-22 September, 2023 Berlin, Germany
Attended by Dr. Sandeep Chaturvedi
- IEEE Microwave, Antennas and Propagation Conference (MAPCON), 10-14 December, 2023, Ahmedabad, India
Attended by Dr. Prashant Kumar Mishra



8.

Major Goals for 2024

- MAPCON 2024
- AP-S Ambassador Talks and Distinguished Lectures
- Symposium of Research Scholar 2024
- Professional Development Programs
- More Collaborative events with SBCs
- Industrial Visits of IEEE Student Members
- Initiating Students Mentorship Program
- Pre-university STEM : Science Exhibitions for School Children
- RF design hackathon series for UG students
- Formation of New Student Branch Chapters
- Achieving 1000 members target for Chapter

Thank You