



Shri Vile Parle Kelavani Mandal's  
**DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Permanently Affiliated to the University of Mumbai)  
NAAC Accredited with "A" Grade (CGPA : 3.18)



# **INTERNATIONAL CONFERENCE ON MICROWAVE AND ANTENNA DESIGN**

**8<sup>th</sup> - 9<sup>th</sup> March, 2024**

**Organized by  
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION  
ENGINEERING**

## **ABOUT ICMAD 2024**

In modern day communication, with the increase in spectrum requirements, most of the Wireless Communication Systems are designed in Radio Frequency spectrum & above, i.e., for frequencies above 1 GHz range. Above this frequency range, high frequency design for circuits and antenna has a major role to play which have profound influence on various applications. In view of this and in continuation with the series of conferences organized in the past, this International Conference on Microwave & Antenna Design (ICMAD) 2024 is being organized. ICMAD 2024 will focus on the advances in various aspects of Microwave and Antennas. The conference will help unite Academic Scientists, Engineers and Industry Researchers for exchanging their experiences, sharing research inputs and for discussion of the current practical challenges.

## **IMPORTANT DATES**

Paper Submission: 31<sup>st</sup> August, 2023

Notification Acceptance: 15<sup>th</sup> October, 2023

Registration Deadline: 10<sup>th</sup> November, 2023

## **FOR ALL CORRESPONDENCE, CONTACT**

Dr. Amit A. Deshmukh

Conference Chair, ICMAD 2024,

Professor & Head, Department of Electronics and Telecommunication Engineering,

D.J. Sanghvi College of Engineering

E-MAIL: [icmad2024@gmail.com](mailto:icmad2024@gmail.com)

Tel.: +91-22-42335025

Website: [djsce-icmad.com](http://djsce-icmad.com)





**PATRONS AND COMMITTEE**

**CHIEF PATRON**

**Shri Amrish R. Patel**

Hon. President & Trustee, SVKM

**PATRON**

**Shri Bhupesh R. Patel**

Hon. Joint President & Trustee, SVKM

**Shri Bharat M. Sanghvi**

Hon. Vice-President & Trustee, SVKM

**Shri Chintan A. Patel**

Hon. Vice-President & Trustee, SVKM

**Shri Sunandan R. Divatia**

Hon. Secretary, SVKM

**Shri Harshad H. Shah**

Hon. Treasurer, SVKM

**Shri Jayant P. Gandhi**

Hon. Joint Secretary, SVKM

**Shri Shalin S. Divatia**

Hon. Joint Secretary, SVKM

**Shri Harit H. Chitalia**

Hon. Joint Treasurer, SVKM

**Shri Jagdish B. Parikh**

Hon. Joint Treasurer, SVKM

**INTERNATIONAL ADVISORY COMMITTEE**

**Dr. W. Ross Stone**

PhD, LFIEEE, FURSI, FCIE, Stoneware Ltd.,  
San Diego, California USA

**Dr. Zoran Gajic**

Rutgers University, USA

**Dr. Banmali Rawat**

University of Nevada, Reno, USA

**Dr. Sheel Aditya**

Former Professor, IIT Delhi & Former  
Associate Professor, NTU, Singapore

**Dr. Alexander Yakovlev**

University of Mississippi, USA

**Dr. Satish K. Sharma**

San Diego State University, USA

**Dr. Manoj Patankar**

Purdue University, USA

**Dr. Shurun Tan**

University of Illinois, Urbana-  
Champaign, USA

**Dr. Ami Desai**

Ericsson, USA

**NATIONAL ADVISORY COMMITTEE**

**Prof. R. K. Shevgaonkar**

Emeritus Professor, IIT Bombay

**Dr. Nageshwar Rao**

Vice Chancellor, IGNOU, India

**Dr. S. N. Merchant**

IIT Bombay

**Dr. Girish Kumar**

IIT Bombay

**Dr. K. P. Ray**

DIAT, Pune

**Dr. Debatosh Guha**

Institute of Radio Physics and Electronics,  
University of Calcutta

**Dr. Asha E. Daniel**

CUSAT, Kochi, India

**Dr. Mridula S.**

CUSAT, Kochi, India

**Dr. P. H. Rao**

SAMEER, Chennai

**Dr. S. S. Kakatkar**

SAMEER, Mumbai

**Dr. Satyajit Chakrabarti**

SAMEER, Kolkatta

**Dr. Arijit Mujumdar**

SAMEER, Kolkatta

**Dr. Suresh Ukarande**

Principal, KJSIEIT & Associate Dean,  
Faculty of Science and Technology, UoM

**Dr. Hemant Kumar**

NIT Tiruchirappalli

**Dr. Rinki Chopra**

IIITDM Jabalpur

**GENERAL CHAIR**

**Dr. Hari Vasudevan**

Principal, DJSCE

**GENERAL CO-CHAIR**

**Dr. A. C. Daptardar**

Vice-Principal (Administration), DJSCE

**Dr. Manali J. Godse**

Vice-Principal (Academics), DJSCE

**CONFERENCE CHAIR**

**Dr. Amit A. Deshmukh**

Professor & Head, EXTC Dept., DJSCE

**FINANCE CHAIR**

Prof. T. D. Biradar  
Prof. S. B. Deshmukh  
Prof. R. S. Taware

**TECHNICAL PROGRAM CHAIR**

Prof. V. A. P. Chavali  
Prof. A. G. Ambekar

**ORGANISING CHAIR**

Prof. V. V. Kelkar  
Dr. P. A. Kadam  
Prof. A. A. Chaudhary

**PUBLICATION CHAIR**

Dr. A. A. Odhekar  
Prof. S. S. Bhattacharjee  
Prof. Revathi A. S.

**PUBLICITY CHAIR**

Prof. A. A. Kadam  
Prof. R. Pal  
Dr. S. H. Karamchandani

**SPONSORSHIP CHAIR**

Prof. M. S. Pimpale  
Prof. Y. S. Bandi



# TOPICS COVERED

## Microwave Theory

- RF and microwave circuit design
- Physical aspects of RF and microwave devices
- Transmission line elements
- Passive circuit elements
- Planar passive filters and multiplexers
- Non-planar passive filters and multiplexers
- Active, tunable and integrated filters
- MEMS components and technologies
- Semiconductor devices and monolithic ICs
- HF, VHF and UHF technologies and applications
- Power amplifier devices and circuits
- Low noise components and receiver
- mm-Wave and THz components and technologies
- Measurement techniques
- Biological effects and medical applications
- Radar and broadband communication systems
- High power microwave industrial applications
- Microwave/RF devices for wireless health care applications
- Multiband, broadband, tunable, and reconfigurable filters
- Resonators, directional couplers and hybrids
- 2D/3D printed RF and microwave components
- Micro-machined transmission lines and waveguides
- Microwave and millimetre wave systems
- Microwave device modelling
- MIMO components
- Novel waveguides and new phenomenon in waveguides
- Passive components (filters, couplers, transitions, etc)
- RF MEMs and micro-systems
- RF Nanotechnology: Carbon, semiconductors and other novel material-based nanotechnology, nanodevices, metamaterials and nanoscale RF components

## Antenna Design

- Antenna theory
- Microstrip antennas
- Wideband/Broadband/Multiband antennas
- UWB antennas
- Fractal antennas
- Horn antennas & feed components
- Antenna arrays (planar/printed)
- Conformal antennas
- MIMO and smart antennas
- Small antennas and RF sensors
- Tunable and reconfigurable antennas
- Phased array antennas
- Embedded and wearable antennas
- Dielectric resonator antennas
- 5G antennas
- mm wave, Terahertz and optical antenna
- Reflector and reflect-array antennas
- Metamaterial, meta-surfaces and EBG antennas
- Aircraft antennas
- Radar and remote sensing antennas
- Frequency selective surfaces
- Satellite antennas and payloads
- Antennas for seekers and defence applications
- Antennas for mobile and V2X applications
- Electromagnetic numerical techniques
- Antenna measurements (compact Range, near field, far field, drones etc.)
- Study of scattering characteristics
- Antenna devices and techniques
- Antenna design, modelling, simulation
- Antenna system for mobile communication
- Artificial magnetic conductors