



Title of The Special Session:

Microwave Antennas, Photonics, Wireless Networks and Antenna Propagation

Aim and Scope:

Microwave radio transmission is frequently used in point-to-point communication systems on the surface of the earth. Mostly it can be used in satellite communications and in deep space radio communications. Additionally, the microwave radio bands are used for radars, radio navigation systems, sensor systems, and radio astronomy. This is the broad range of high frequency related topics, ranging from semiconductor materials, MMICs and microwave circuit design to radar, high speed and mobile system applications. The mainly focuses on advancements and innovations in electromagnetics and communication technology. Invited are papers on the microwaves, wireless and optical communications for exchange of information on new trends in antenna theory & techniques, antenna hardware, propagation studies and also a venue for closer interaction among research students, academia, professional organization and industry partners.

Topics:

Antenna Theory, Modelling and Design

Small, Multiband and Wideband Antennas

Terahertz, Nanotechnology and Metamaterials

Microwave and RF Devices and Circuits

Light-Wave Technology and Fiber Optics

Computational and Numerical Techniques

Wireless and Optical Sensors

Electromagnetic Compatibility and EMI

Radar, Remote Sensing and Radionavigation

Electronics, Photonics and devices.

Electromagnetic Noise and Interference.



Second International Conference on Smart Technologies for Smart Nations

15-17 July 2021 | Universiti Putra Malaysia (UPM), Malaysia



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Biomedical applications of microwave.

Microwave and millimeter wave devices and circuits.

Microwave Applications (Communication, industrial etc.).

Antenna measurements

MIMO and 5G antenna

Microstrip and Printed antenna

EBG antennas

Digital Antennas

Session Chair:

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About Guest Editors

S.Kannadhasan is working as an Assistant Professor in the department of Electronics and Communication Engineering in Cheran College of Engineering, karur, Tamilnadu, India. He is currently doing research in the field of Smart Antenna for Anna University. He is ten years of teaching and research experience. He obtained his B.E in ECE from Sethu Institute of Technology, Kariapatti in 2009 and M.E in Communication Systems from Velammal College of Engineering and Technology, Madurai in 2013. He obtained his M.B.A in Human Resources Management from Tamilnadu Open University, Chennai. He obtained his PGVLSI in Post Graduate diploma in VLSI design from Annamalai University, Chidambaram in 2011 and



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PGDCA in Post Graduate diploma in Computer Applications from Tamil University in 2014. He obtained his PGDRD in Post Graduate diploma in Rural Development from Indira Gandhi National Open University in 2016. He has published around 25 papers in the reputed indexed international journals (IEEE, Scopus, SCI, Web of Science and also Major Indexing) and more than 120 papers presented/published in national, international journal and conferences. Besides he has contributed a book chapter also. He also serves as a board member, reviewer, speaker, advisory and technical committee of various colleges and conferences. He is also to attend the various workshop, seminar, conferences, faculty development programme, STTP and Online courses. His areas of interest are Smart Antennas, Digital Signal Processing, Wireless Communication, Wireless Networks, Embedded System, Network Security, Optical Communication, Microwave Antennas, Electromagnetic Compatibility and Interference, Antenna Wave Propagation and Soft Computing techniques.

He is Member of IEEE, ISTE, IEI, IETE , CSI, EAI Community and IARDO.