

**Mr. M. Sreenivasan**

Scientist, Centre for Electromagnetics, SAMEER

He completed his M.Tech in Microwave and Radar Engineering in 2004. He joined SAMEER-Centre for Electromagnetics, Chennai as Research

Scientist in 2004. He has many reputed journals and research publications in his credit.

Research areas: Wideband and multiband printed antennas, Wideband aperture antennas and metamaterials.

**Dr. Deepu V Nair**

Technical Manager, Cambium Networks Inc.

He received his PhD in antennas from Cochin University of science and Technology (CUSAT) and Post Doc in RFIDs from INP Grenoble, France. He

has been awarded with CEO award Powerwave Technologies (2012), Redpine Innovator of the year (2014), CEO Excellence award, Cambium Networks (2017). He has more than 9 international patents.

Research areas: Designing of antennas for PMP, PTP, WiFi, IIOT, 60GHz applications.

**Dr. Shameena V. A**

*Post Doctoral Research Fellow
Queens University Belfast, UK*

She received her PhD in 2012. She has worked as Research Associate in Kuwait University (2012-2016). She has been awarded with Ursi Young

Scientist Award (2014), UGC Women's Post Doc Fellowship (2016).

Research areas : Wearable and planar antennas, Microwave communication, Metamaterial antennas

**Dr. Vinod V K T**

Research Fellow, Lab-STICC, UBO, France

He received his PhD from Université de Bretagne Occidentale, France in 2017. He worked as Early stage Researcher (Marie Curie Initial Training Networks)

in Universidad Carlos III de Madrid, Spain and as Research Associate at Cochin University of Science and Technology (CUSAT) .

Research areas: EM wave propagation in heterogeneous and anisotropic media, Material characterization techniques.

Organizing Committee

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Registration fee : Rs. 200

(To be paid at registration desk on March 8, 2018)

The number of participants is restricted to 50.

To register send your contact details (Name, designation, affiliation, address and phone number) to the email id given below.

Email: bumicrowaves@gmail.com

Phone: +91-9496078757

Registration closes by 5th March, 2018



DST PURSE-II sponsored

National Seminar on ELECTROMAGNETICS: FUNDAMENTALS, RELEVANCE AND APPLICATIONS

March 8-9, 2018

Organized by

**Department of Electronics
and
Instrumentation**

Bharathiar University

**Coimbatore-46, India
www.b-u.ac.in**

**Venue: Seminar Hall, DRDO-BU, CLS
Bharathiar University, Coimbatore**

Bharathiar University:

Established in Coimbatore by the Government of Tamil Nadu in 1982, the University is named after the great national poet **Subramania Bharathi** with the motto “**Educate to Elevate**”. The University aims to realize his dream of making educational institutions as temple of learning by inculcating necessary knowledge, skills, creative attitudes and values among the youth of the country.

Department of Electronics & Instrumentation:

The department was formed in 2008. The mission of the department is to impart to its students a thorough knowledge about the exciting field of electronic science and technology. The department also aims at creating an efficient interface between academia and industry.

Location:

University is located 13Kms north-west of Coimbatore Railway station and 22Kms west of Coimbatore International Airport. It is spread over 1000 acres of land at the backdrop of the Maruthamalai Hills in the Western Ghats range.

Location link:

<https://www.google.co.in/maps/place/Bharathiar+University/@11.0398268,76.8767689,17z/data=!3m1!4b1!4m5!3m4!1s0x3ba859c148d00d15:0x54fb76241f0a915c!8m2!3d11.0398268!4d76.8789576>



About the Seminar:

Electromagnetism is a union of two physical phenomena which have been known since antiquity viz electricity and magnetism. Yet, for many centuries, no one imagined that these two seemingly “ordinary” physical concepts together would hold such a great significance on the existence of the universe. In the 19th century, a brilliant Scottish scientist named James Clerk Maxwell merged electricity and magnetism into four elegant equations. Through his equations, he proved that even light is a form of an electromagnetic wave. Electromagnetic induction by Michael Faraday revolutionized the industrial world.

From then on, the science of electromagnetism has come a long way. The technology based on it has become an indispensable part of our lives. Communication, Medicine, Defense, Entertainment, Meteorology, Astronomy are just a few examples of the various applications of electromagnetism.

One of the biggest challenge that this branch of science and technology faces is the lack of awareness and in-depth understanding of physical concepts. The opportunity to comprehend and appreciate the amazing field of electromagnetism is less. The scenario is same both in academy and industry. The motivation of this seminar is to directly address this issue by making the participants aware about the importance and the applications of this exciting field.

The topics covered during the seminar are

- *Antenna fundamentals*
- *Transmission lines*
- *Microstrip antennas*
- *Remote sensing*
- *Recent trends in Communications and its applications*

Invited Speakers:



Dr. K Vasudevan

SM IEEE, Former Dean, Faculty of Technology, Professor Emeritus, Cochin University of Science and Technology

He received his Ph.D in 1982 in Microwave antennas. He is a fellow of the Institution of Electronics and Telecommunication Engineers (India). He has over 240 journal publications with over 1800 citation.

Research areas: Microwave communication, microwave dielectric measurements, radar cross section studies.



Dr. P. Mohanan

SM IEEE, UGC BSR Professor, Cochin University of Science and Technology

He received his Ph.D in Microwave antennas from Cochin University of Science and Technology (CUSAT) in 1985. He has published more than 250 journal papers with a citation index of 6091 and i10-index of 144. He is IEEE APS Chapter chair since 2014. He has received Career Award from University Grand Commission (UGC) in 1994.

Research areas: Microstrip antennas, Dielectric resonators, Reduction of RCS, Metamaterials



Dr. S Rama Subramoniam

Scientist, NRSC, ISRO.

He received his Ph.D from Tamil Nadu Agriculture University (TNAU) in 2004. He has received ISRO Team Excellence award for India –WRIS project in 2010. He is a life member of Indian Society of Remote Sensing. He has more than 10 years of research experience.

Research areas: Remote Sensing and GIS applications for soil, agriculture and water.