

REGISTRATION FEE

Faculty/Scientists/FIP Scholars : Rs.1000

Research scholars : Rs.300

TOPICS

The scope of the seminar includes but not limited to :

- ❖ Metamaterials / metasurfaces
- ❖ Sensors
- ❖ Microwave absorbers
- ❖ Antennas and radiating system
- ❖ Computational Electromagnetics
- ❖ Dielectric Measurements
- ❖ RF / Microwave Imaging
- ❖ Ferroelectric / Ferromagnetic / Multiferroic materials
- ❖ Photonic materials
- ❖ Conducting Polymers
- ❖ Organic Semiconductors
- ❖ Solar cells and OLEDs
- ❖ Thin films and nanotechnology

ORGANISING COMMITTEE

Patron : Dr. Mathew Paul Ukken
Principal

Chairman : Dr. V. P. Joseph
Head, Department of
Physics

Convener : Dr. Fr. Jolly Andrews

Technical Convener : Dr. Sudheer Sebastian K.

Co-Conveners :

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Prof. V. P. Anto, Mr. Shanto T. A., Ms. Merin Jose, Mr. Jose Sunny



CHRIST COLLEGE, Irinjalakuda - One of the renowned educational institutions in Kerala, accredited by NAAC with A grade.

ADVISORY COMMITTEE

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- Dr. Vincent Mathew, Central University of Kerala
- Dr. Joe Jacob, Newmann College, Thodupuzha
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- Dr. Prasun Banerjee, GITAM University, Bangalore

CONTACT ADDRESS

Dr. Fr. Jolly Andrews

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PG & Research Dept of Physics

Christ College (Autonomus) Irinjalakuda

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HOW TO REACH IRINJALAKUDA

Major railway station near to Christ College is Thrissur (Trichur), which is about 20 km north of Irinjalakuda. Nearest airport is Cochin International Airport, Nedumbasserry.

National Seminar on



MATERIALS, METHODS AND SENSORS FOR ELECTROMAGNETIC APPLICATIONS

emMET—III

27 – 28, March 2020

Organized by

Post Graduate & Research
Department of Physics

CHRIST COLLEGE(AUTONOMOUS)

Irinjalakuda, Kerala, India



In honour of



Dr. V P. Joseph



Dr. Pious Joseph



Dear Sir/Madam

Post Graduate and Research Department of Physics, Christ College Irinjalakuda is organizing a National Seminar on 'Materials, Methods and Sensors for Electromagnetic Applications' on 27th and 28th of March 2020. Eminent Professors and Scientists from reputed institutions are invited to take part and deliver lectures. Presentation of research papers by young researchers are also arranged in the two-day seminar.

The field of Electromagnetic Materials is one of the most vibrant and promising topics in physics and technology. It has got a lot of applications in Communication, Defense and in Industrial, Scientific and Medical fields. The important members of this group are Dielectrics, Ferrites, Polymers and Ceramics. Metamaterial, with lot of strange properties, is a new addition to this group. Exploiting and further extending the wonderful properties of these materials creates great potential applications in future technology too.

This seminar aims at sharing novel methods designed to exploit the fascinating properties of these materials and to present innovative sensor applications in state-of-the-art scenario with a special focus on space research. The seminar is envisaged to provide a forum for researchers, teachers and students to discuss and share their knowledge with experts in the field.

We cordially invite researchers, faculty members and post graduate students to take part in the two day seminar and request to make it a grand success.

Dr. Mathew Paul Ukken
Principal, Christ College

Dr. V. P. Joseph
Head, Department of Physics

Dr. Fr. Jolly Andrews
Convener
emMET-III

Dr. Sudheer Sebastian K.
Technical Convener
emMET-III

PROGRAMME

(Venue : Seminar Hall)
27 – 03 – 2020

9.00 am : Registration
9.45 am – 10.30 am : **Inaugural Session**
10.30 am – 11.15 am : **Keynote Address**
'Innovations in Laser Plasma Diagnostics'

Dr. Pramod Gopinath

Professor & Director International School of Photonics,
Hon. Assistant Director, Center for Science in Society,
CUSAT

11.15am – 11.30am : Tea Break
11.30 am – 12.30pm : **Paper Presentation session-I**
12.30 pm – 1.30 pm : Lunch Break
1.30 pm – 2.30 pm : **Invited Talk II**

Dr. Rajeev N. Kini

Assistant Professor, Department of Physics, IISER,
Thiruvananthapuram

2.30 pm – 2.45 pm : Tea Break
2.45pm – 4.00pm : **Paper Presentation session-II**

28 – 03 – 2020

9.30 am – 10.30am : **Invited Talk III**
'Wireless Sensors for IoT Applications'

Dr. Thomaskutty Mathew

Associate Professor, Dept. of Physics, GITAM School of
Sciences Bangalore

10.30am – 10.45 am : Tea Break
10.45 am – 11.45 am : **Invited Talk IV**
*'Room Temperature Perovskite Multiferroic
Composites; Designs and Applications'*

Dr. Prasun Banerjee

Assistant Professor, Department of Physics, GITAM
University, Bangalore

11.45am – 12.45pm : **Poster Presentation**
12.30 pm – 1.30 pm : Lunch Break
1.30 pm – 2.30 pm : **Invited Talk V**
'Physics of Metamaterials'

Dr. V.P Joseph

Associate Professor, Department of Physics, Christ
College(Autonomous), Irinjalakuda

2.30 pm – 2.45pm : Tea Break
2.45 pm – 3.45pm : **Paper Presentation session-III**
3.45 pm – 4.15pm : **Valedictory Session**

SUBMISSION OF ABSTRACT

We invite researchers working in the field of Electromagnetic Materials and allied topics as mentioned below to present their research work in this National Seminar.

Participants interested in oral/poster presentation are requested to submit an abstract in MS word or LATEX format on or before **5th March 2020** to the given email id : emmetchristijk@gmail.com.

Please mention the type of presentation (Oral/Poster) in the communicating email.
Poster size :The size of the posters could be 85cm (width) × 120 cm (height).

Confirmation of acceptance will be intimated by **10th March 2020**.

For more details ,visit:
<http://christcollegeijk.edu.in/emmet-iii/>

Best Poster Award

Posters will be evaluated and the best Poster by student will be given award during valedictory function.