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**Dr. M.G.R.**  
EDUCATIONAL AND RESEARCH INSTITUTE  
DEEMED TO BE UNIVERSITY  
University with Graded Autonomy Status  
(An ISO 21001 : 2018 Certified Institution)  
Periyar E.V.R. High Road, Maduravoyal, Chennai-95, Tamilnadu, India.



## Faculty of Engineering and Technology

Department of Electronics and  
Communication Engineering  
Organizes

# SILICON'22

6<sup>th</sup> National Conference

on

# Sensor Technology

in association with



**30.03.2022 - 31.03.2022**





## About the University

Aiming to bring about change and progress through education, the Tmt. Kannammal Educational trust was constituted in 1985 and started Thai Moogambigai Polytechnic College. Within three years of its inception, Dr. M.G.R. Engineering College was founded in 1988, and the Thai Moogambigai Dental College was started in the year 1991. Both the colleges acquired Deemed University status in 2003 as Dr.M.G.R. Educational and Research Institute as per the order of the University Grants commission, New Delhi and the Indian Ministry of Human Resources and Development, Government of India, New Delhi. The Institution is accredited by NAAC with `A` Grade and is proudly recognized as a University with Special Graded Autonomy Status.

## About the Department

### Electronics and Communication Engineering

The Department was established in 1988. Over the course of time the department has made excellent academic progress in the past three decades with highly motivated students and well qualified faculty members. The department was accredited by NBA. The department of ECE had established Centre of Excellence in IoT with an aim to support the academic and research fraternity with necessary resources and technology support.

The department has always been active in organizing various events that includes national and international workshops, FDP, Conferences and seminars. Through the continuation motivation and competence of our staff, students have participated and played a part in copious international competitions, forums, stages. For a sight of which, a student from the department won the "World Robotics Champion Award" and research scholars have received funding from MSME.

The department has various publications in different international journals and conferences. The faculty has authored books in various disciplines and has also filed many patents. Many funded project proposals from the department have been submitted to various funding bodies such as TNSC, DST, CSIR, DRDO & SERB. Recently a fund from DRDO was received by the department for designing Antenna Array for Marine Pollution Detection.

## About the Conference

Silicon'22, the 6th National Conference strives to create appropriate forum for the students, research scholars, academician and industry members to present and share their ideas, approaches and research results on Sensor Technology. Today's Industrial Landscape is characterized by unprecedented levels of volatility, uncertainty, complexity and ambiguity. As a result, operational effectiveness, clubbed with lower cost and enhanced security, both for assets and personnel has gained importance. In this backdrop, Sensor Technology and its advancements have played a key role for industrial operations to remain competitive and efficient. Sensing technology and its various applications are constantly evolving in line with advancements in technology and business needs. Sensors are available to detect a wide variety of real-world properties from distance to heat to pressure. Recent years have witnessed tremendous advances in the design and applications of wirelessly networked and embedded sensors. Wireless sensor nodes are typically low-cost, low-power, small devices equipped with limited sensing data processing and wireless communication capabilities, as well as power supplies. They leverage the concept of Wireless Sensor Networks (WSN) in large (possibly huge) number of collaborative sensor nodes could be deployed.

### Call for papers but not limited to:

- Sensor technology in Optical
- Defense Sensors
- Sensors applicable in Medical field
- Nano Sensors
- Sensors in Industry
- Wireless Sensor Technology
- Control Sensors
- Smart Sensors
- Agricultural Sensors



- Sensor Technology in Remote System
- Sensors of Fluid
- Usage of Electrochemical Sensors
- Field of Robotics
- Quantum Sensors
- Embedded Sensors
- Sensor Technology in field of Automobile



## Submission Guidelines

*Prospective authors may kindly submit their papers in MS Word as well as PDF not exceeding six pages in IEEE double column format through email [silicon@drmgrdu.ac.in](mailto:silicon@drmgrdu.ac.in)*

## Important dates

**\*\*Last date for Registration: \*\*15.03.2022\*\***

**\*\*Intimation of Acceptance: \*\*18.03.2022\*\***

**\*\*BEST PAPERS WILL BE AWARDED WITH CASH PRIZE\*\***

**\* IF ACCEPTED THEN REGISTRATION FEE PER PAPER IS Rs.100/-\***

**Register here:**

**<https://forms.gle/XrpjavW5HSjzDYsV8>**

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