



DST SERB SPONSORED

2ND INTERNATIONAL HYBRID MODE CONFERENCE ON RENEWABLE ENERGY CHALLENGES AND NEW TRENDS IN HYBRID SOLAR CELL TECHNOLOGY (ICSCT'24)

March 21st and 22nd 2024

Convener in SEC :

Dr. A. Sathiya Priya, Asst. Prof,
Dr. N. Srinivasan, Asso. Prof,
Department of Humanities & Sciences (Physics)
Sri Sai Ram Engineering College, Chennai

Convener in MIT:

Dr. V. Ponnusamy,
Professor & Head,
Dept. of Applied Sciences & Humanities
Madras Institute of Technology (MIT)
Chennai

Sairam
INSTITUTIONS



Organised by

DEPARTMENT OF H & S (PHYSICS)



Sri

SAIRAM ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi

Accredited by NBA and NAAC "A+" | BIS/EOMS ISO 21001 : 2018 and BVQI 9001 : 2015 Certified and NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairam.edu.in



ABOUT THE INSTITUTION

Sri Sai Ram Engineering College (Autonomous), Chennai established in the year 1995 by MJF. Ln. Leo. Leo Muthu, Chairman of Sapthagiri Educational Trust, is a non-profitable and a non-minority institution. A well-defined vision, highly committed mission and a dedicated leadership facilitate Sri Sai Ram Engineering College to be in the best of educational institutions in the country. Since its inception, the institution has grown into a vast conglomerate of magnificent buildings, state-of-the art laboratories, sophisticated internet centres, modern digital library block. The institution is affiliated to Anna University and approved by the All India Council for Technical Education (AICTE), New Delhi. Today, Sri Sai Ram Engineering College has developed into a reputed Engineering Institution with ISO: 9001:2015 certifications, NBA Accreditation to all the disciplines of engineering, NAAC Accreditation with A+ grade and a remarkable position in the NIRF rankings consistently. For offering top quality technical education and moulding the younger generation to the society, our chairman has spared efforts to induct dedicated faculty and provide adequate infrastructure facilities.

HUMANITIES AND SCIENCES

The Department of Humanities & Sciences (H&S) is established to support the undergraduate Programs of our institution. The department is well equipped with modern experimental setups and ample space for young student's fraternity to achieve high standard of understanding and learning. The department has published many research papers in reputed international and national level science journal.

DEPARTMENT OF H & S (PHYSICS)

The Department of Physics plays a crucial role in supporting our undergraduate programs at our institution. With a strong focus on providing a high standard of understanding and learning, the department is equipped with modern experimental setups aligning with the university curriculum.

Recognized as a prestigious Research Centre by Anna University, Chennai, our department boasts 18 dedicated faculty members who hold research supervisor-ship from the same university. Currently, we have part-time research scholars pursuing Ph.D. programs under their guidance, leading to the publication of numerous research papers in esteemed international and national science journals. In addition to research endeavors, our faculty members actively support undergraduate students in their projects, encouraging them to write articles for publication in research journals and present their work at national and international conferences.

ABOUT THE CONFERENCE

The main objective of this conference is focused towards providing a unique opportunity and a relaxed environment for students, research scholars, faculty members and industrialist from various disciplines of science, engineering and technology to meet, present, interact and discuss the recent developments and applications of solar cell in various sectors. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of hybrid solar cell. Hybrid solar cells have advanced drastic growth in efficiency, lifetime, and technology in the renewable energy areas. This conference will be focused on fascinating opportunities and challenges for scientific research and technological development. It can be used in many industries like Power plant, Automotives, space technology, Defence, microelectronics, fuel cells etc

IMPORTANT DATES

Last date for Abstract Submission :
05.03.2024

Last date of acceptance notifications:
07.03.2024

Last date for Registration:
10.03.2024

SCOPE OF THE CONFERENCE:

Original contributions are invited in the various topics coming under the general category given below:

- 2D and Multidimensional Materials
- Hybrid Materials and Perovskite Materials
- Magnetic and Dielectric materials
- Optical Materials
- Thin films
- Inorganic and Organic Solar Cells
- Advanced device and Materials characterization
- Emerging concepts in solar energy conversion
- New frontiers in emerging solar cells
- Modelling of materials and devices
- Hydrogen fuel
- Water splitting
- Photo-supercapacitor
- Battery
- Fuel cells
- Ceramic materials
- Oxide materials

- Photocatalysis
- Composite materials
- Energy materials
- Bio solar
- Bio energy
- Industrial Nanotechnology: Products and Commercialization

WHAT YOU GET IN?

OFFLINE PARTICIPATION:

- Interactive session with the delegates.
- A conference kit will be provided to all the participants.
- A copy of conference proceedings with ISBN will be given.
- Participants will be provided with food and refreshments for both days of the event.
- A special dinner will be provided on 21st March, 2024 for all attendees
- A trip to Industrial/Lab visit is planned for the attendees

AWARDS AND HONOURS:

Exciting prizes will be awarded to the best performers in Oral & Poster presentations.

RESEARCH PUBLICATIONS:

Selected manuscript will be published in SCOPUS / SCI Indexed Journals.

REGISTRATION DETAILS

This international conference is open to UG/PG students, researchers, faculty members and scientists from Universities, Colleges, R&D institutes and researchers from Industry. Certificates will be provided for all the registered participants. The participants can register using the registration link attached herewith.

FEE DETAILS:

UG/PG Students	: Rs. 600
Research Scholars	: Rs. 750
Faculty members	: Rs. 1000
Industrialists	: Rs. 1500

Accommodation can be arranged for all registered outstation participants.

BANK ACCOUNT DETAILS

Bank Name : City Union Bank

Account Name : Sri Sairam Engineering College,

Account Number : 510909010112273,

Branch : Poonthandalam,

IFSC Code : CIUB0000634, **MICR No. :** 600054125.

ACCOMMODATION

Local participants are kindly requested to make their own arrangements.

Accommodation will be provided for outstation participants on payment basis and should be mentioned in well advance along with the registration form.

Registration Link:

<https://forms.gle/GtYERLUZMiBidG9z5>

Abstract Template Link:

<http://tinurl.com/mr3r35yz>

Website Link: www.icsct24.tech



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Inspiring
PEOPLE



Improving
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Instilling
PURPOSE