

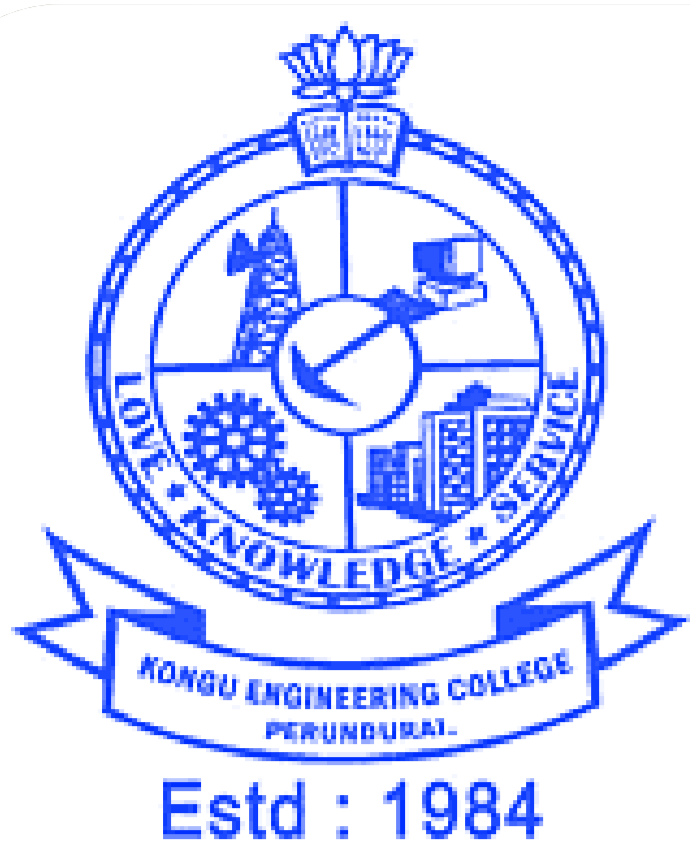
Workshop on Functional Materials, Dye-sensitized Solar Cells and Perovskite Solar Cells

21 - 25 September 2020

Organized by
Department of Physics

Kongu Engineering College

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Perundurai, Erode-638 060, Tamil Nadu, India



About the College and Department

Kongu Engineering College was established in the year 1984. The institution is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The Institution has completed 36 years of dedicated and excellent service in the field of technical education. It offers 14 UG programmes, 19 PG programmes and 16 Research programmes in Engineering, Applied Sciences and Management imparting high quality value-added education in India. The college has got NBA accreditation for UG programmes, Best Engineering College award and Best Principal award twice. The institution is ranked high among the Engineering Institutions in India by various surveys conducted by reputed magazines/journals/organization. The institution has established a Technology Business Incubator (TBI) supported by Department of Science and Technology, Government of India in its campus. TBI@KEC has won the National Award, for the Best TBI in India, presented by President of India on Technology Day in New Delhi. Institute website: www.kongu.ac.in

Department of Physics was established in the year 1984. The Department of Physics occupies a prominent place in the annals of the academic history of the college. The Department of Physics is committed to disseminate knowledge and skill based understanding of the concepts of science, especially in areas relevant to Engineering and Technology. The research centre in the department provides an active and dynamic research atmosphere where research on futuristic areas in physics is pursued. The department offers Ph.D. degree program with different specializations in Physics such as Solar Energy, Thin films, Crystal physics, Photonic materials and Plasma physics. The department received R&D fund from University Grants Commission, New Delhi and more R&D projects are in pipeline in the various funding agencies like DST and DRDO. The research centre consists of thin film laboratory and nanoparticles synthesis laboratory. Synthesis techniques such as DC and RF magnetron sputtering, sol-gel method and chemical bath deposition are adopted to prepare samples for solar cell and data storage device application. Faculty members and research scholar are continually publishing technical papers in national and international journals and also in conferences.

About the Workshop

Workshop on Functional materials, Dye-sensitized solar cells and Perovskite solar cells brings out the applications of functional materials and nanocoatings in solar thermal and solar photovoltaic systems. The seminar also emphasizes the advanced concepts and measurements in next-generation solar cells, and the recent trends in dye-sensitized solar cells and perovskite solar cells. The webinar aims to provide a platform for young researchers and faculties to interact with distinguished professors and renowned scientists to comprehend various developments in the aforementioned topics.

Topics of the Workshop

Topic of the Individual Lecture	Speaker	Date	Time
Functional materials for Solar thermal applications	Dr. S. Sakthivel	21-09-2020	3.30 to 5.00 pm
Functional nanocoatings for PV applications		22-09-2020	3.30 to 5.00 pm
Basics concepts of next-generation solar cells	Dr. Easwaramoorthi Ramasamy	22-09-2020	2.00 to 3.30 pm
Advanced concepts and measurements in next-generation solar cells		23-09-2020	3.30 to 5.00 pm
Carbon materials for dye-sensitized solar cells	Dr. V. Ganapathy	24-09-2020	3.30 to 5.00 pm
Nanomaterials and perovskite sensitizers for perovskite solar cells		25-09-2020	3.30 to 5.00 pm

General Instructions

- ➔ Number of participants are limited to 250 (Live youtube link will be given to the participants based on the requirement)
- ➔ Confirmation of registration and "Google Meet" link will be sent through mail on or before 19.09.2020.
- ➔ Participants will receive e-certificate after successful completion of all sessions.
- ➔ Participants have to give feedback at the end of each session.

Organizing Committee

Chief Patron

Thiru P. Sachithanathan, Correspondent

Patron

Dr. V. Balusamy, Principal

Chairman(s)

Dr. C. Duraisamy, Chief Coordinator / SSH

Dr. K. Tamilarasan, Professor/Physics

Convener

Dr. C. Rangasami, Associate Professor & Head

Coordinator(s)

Dr. K.V. Gunavathy - 9894947763

Mr. V. Parthibaraj - 9080554215

Dr. K. Maheshvaran - 8973306570

Members

Member of Faculty/Department of Physics

Resource Persons

Dr. S. SAKTHIVEL

Scientist F & Team Leader

Centre for Solar Energy Materials,

International Advanced Research centre for powder

Metallurgy and new materials (ARCI),

Hyderabad-500 005



Dr. EASWARAMOORTH RAMASAMY

Scientist-E

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Dr. V. GANAPATHY

SERB Research Scientist

Centre for Solar Energy Materials,

International Advanced Research centre for powder

Metallurgy and new materials (ARCI),

Hyderabad-500 005



Registration

- ➔ No Registration fee.
- ➔ Registration Link: <https://forms.gle/vvdzNqoPr5hzJctMA>
- ➔ Last date for Registration : 18.09.2020

Address for Communication

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