

# Emerging Technologies for Sustainability

The theme of the conference is "Emerging Technologies for Sustainability". The goal is to raise the global standard of living without increasing the use of resources beyond global sustainable levels. Advancements in Green technology are of paramount importance on account of global environmental imprints. Environmental issues cover e-waste generation, scrap disposal and sustainability concerns. These are compounded by the splurge in manufacturing, automobiles, electronic accessories, captive power plants and their attendant problems. The solutions to these detrimental ecological issues lie in formulating green technology strategies which can be traced to dynamic pricing modalities. The central theme of sustainability extends to the variegated domains of Engineering covering Civil, Electronics, Electrical, Mechanical and Automobile streams. The conference is intended to act as a platform for researchers to share and gain knowledge, showcase their research findings and propose new solutions in policy formulation, design, processing and application of green materials, material selection, analysis, green manufacturing, testing and synthesis, thereby contributing to the creation of a more sustainable world.

## Civil Engineering

Urban Planning and Building Design  
Construction materials  
Biomaterials for water/wastewater treatment/waste management  
Green methodology for construction  
Green building standards and certification systems  
Geotechnical Engineering

## Mechanical Engineering

Additive manufacturing  
CAD/CAM  
Automation & Robotics  
Eco friendly Machining  
Energy conservation  
Renewable Energy technology  
Environmental/Waste management  
Green Manufacturing  
Heat transfer  
Lean/Agile Manufacturing

## Electrical & Electronics Engineering

DC microgrids  
Distributed generation  
Electromagnetics  
Energy Management  
Grid-tied power export  
High voltage AC and DC systems  
Machines and drives  
Power Converters  
Renewable Energy

## Mechanical Engineering (Automobile)

Alternate Fuels  
Clean Combustion Technologies  
Energy Storage Devices  
Emission Control Strategies  
Fuel Cell Technology  
Hybrid & Electric Vehicles  
Sustainable Mobility  
Sustainable Materials & Recycling  
Autonomous Cars  
Vehicle Modelling & Dynamics

## Electronics & Communication Engineering

Antenna Design  
Low Power VLSI Design  
Artificial Intelligence  
Electronic Devices for Low Power Application  
Composites  
Communication  
Data Security  
Design for Testability  
Internet of Things



Annual International Conference on Emerging Research Areas '19

Organised by



**AMAL JYOTHI**  
COLLEGE OF ENGINEERING

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## CONFERENCE DATES

18<sup>th</sup>-20<sup>th</sup> July, 2019

For further Details

[www.aicera.in](http://www.aicera.in)



Register Via

## Contact

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## IMPORTANT DATES

- ✔ Paper Submission opens
- ✔ Submission Deadline
- ✔ Notification of Acceptance
- ✔ Camera Ready Paper & Registration deadline

10.03.2019

20.05.2019

31.05.2019

05.06.2019