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National Institute of Technology Tiruchirappalli

National Institute of Technology (formerly known as Regional Engineering College), Tiruchirappalli (NITT) has been declared as an Institute of National Importance by the GoI under the NIT Act. According to the NIRF ranking of the Indian Universities 2020 by the Ministry of Education, GoI, NIT Trichy has been ranked as the 9th best Institute in Engineering category and Top among the NITs. With the cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with state-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country.

Department of Chemical Engineering, NITT

Established in 1967, the Department of Chemical Engineering, NIT Tiruchirappalli is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. It has also the distinction of being ranked as one of the top seven Chemical Engineering divisions in India with a group of well qualified faculty, staff and motivated students. The main research focus of the department is on energy and environmental engineering, process control and separations. The department's vision is to be a global center of academic and research excellence to serve the society.

Shastri Indo-Canadian Institute (SICI)

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The Institute has a unique mandate as it operates broadly speaking in two major directions; firstly, as a financial support system for academic and research programmes in terms of different fellowships by both the governments. Faculty and Student Mobility programme funded by Government of India is a new addition to this list. Secondly, as a bi-national network of leading academic institutions, as knowledge partners in generating linkages and collaborations that transcend the traditional system of cooperation.

INTERNATIONAL CONFERENCE

ON

RECENT TECHNOLOGIES AND ADVANCED MATERIALS FOR GREEN ENERGY AND SUSTAINABLE ENVIRONMENT

RTAMGESE-2021

12 -13 March, 2021



Organized by

Department of Chemical Engineering

National Institute of Technology

Tiruchirappalli, Tamil Nadu 620 015, INDIA

Sponsored by

Shastri Indo-Canadian Institute (SICI)



L'INSTITUT INDO-CANADIEN **SHASTRI** INDO-CANADIAN INSTITUTE

About the conference

Energy is essential to the society and it has made a considerable impact on the environment as a consequence of the large scale and universal nature of energy related human activities. Even though the classical energy sources have harmful impact on people, society and environment, it was essential for the sustenance of human kind in the earlier decades. Now, new vistas have to opened for a sustainable ecosystem for the good of the future generations. In view of the its importance, the Government of India is trying to introduce a comprehensive policy on the development of effective technology in green fuels and sustainable environment. The main objective of the conference is to promote sustainable, healthy and diverse ecosystems; encourage and support the energy security systems through development of green based resources and other renewable energy resources and processes, bringing together participants from various research institutes, universities, industry and around the world to exchange innovative and novel ideas, explore enabling technologies, share the experiences in sustainability issues.

Call for papers (thrust areas not limited to below)

Renewable Energy

- New trends in Green energy and fuels
- Hydrogen energy and its economy
- Fuel Cells / Electrolysis Cell / Bioelectrochemical system
- Solar energy and solar fuel / Photovoltaic Materials
- Waste to Energy, Energy Efficiency
- Bio refinery, Algal biomass, bioethanol, Biodiesel and PHB
- Thermochemical and Biochemical conversion, Biogasification.

Sustainable Environment

- Waste/By-product recycling and reuse
- Carbon captured system
- Biomaterials, Nanomaterials, advanced Materials for Energy and Environment
- Water and Wastewater Treatment, Water Conservation and Management
- Water desalination, biodegradation and bioremediation
- Soil Restoration/ Phytoremediation, Biopyrolysis,
- Control, optimization, instrumentation for environmentally friendly energy processes
- Life Cycle and Environment Impact Assessment
- Simulation, Computational and Applied Mathematics for Energy and Environment
- Environmental management

Abstract submission

Authors are invited to submit the abstract of their best work by email to chem.nitt.conferences@gmail.com in the template available in the conference website (<https://sites.google.com/view/icrtamgese-2021/home>) not later than **20 February 2021, 11:59 pm Indian Standard Time (IST).**

Important dates

Last date for submission of abstracts	20 Feb, 2021
Notification of acceptance of abstract	25 Feb, 2021
Last date for submission of full paper	01 Mar, 2021
Registration starts on	26 Feb, 2021
Last date for registration	03 Mar, 2021

Publication and Awards

Selected abstracts will be notified via email. Selected papers will be recommended for online publication in special issues of reputed journals or conference proceedings.

Best papers of the conference will be awarded.

Sponsorship

Financial sponsorship for RTAMGESE-2021 are invited as the categories below

Platinum INR 50,000	Gold INR 25,000
Silver INR 10,000	Bronze INR 5,000

Contact information

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For registration and updates - please check conference website
<https://sites.google.com/view/icrtamgese-2021/home>

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