NATIONAL CONFERENCE ON WASTE TO ENERGY, CARBON CAPTURE AND STORAGE

[NCWECCS - 2017]

3-5 AUGUST 2017

REGISTRATION FORM

Name:

Designation:
Institute/Organization:
Mailing Address:
Phone No. (Office)
Mobile:
Email:
DD/NEFT No:
DD/NEFT Date:
Accommodation required: Yes / No
Date:
Signature:

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DEPARTMENT OF MECHANICAL ENGINEERING &

DEPARTMENT OF BIOTECHNOLOGY

AND MEDICAL ENGINEERING

NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA, ODISHA INDIA - 769 008

ABOUT THE INSTITUTION

National Institute of Technology Rourkela (NIT Rourkela) is an institute of national importance created under the act of parliament. Times World Rankings has figured NIT Rourkela in the list of 601-800 universities in the world for the year 2016-17. NIT Rourkela is the only NIT to appear in the top 980 universities in the world. BRICS 2016 has figured NIT Rourkela in the list of 111-120 top universities in Brazil, Russia, India, China and South Africa in 2016-17. NIT Rourkela provides quality education in a diverse and multi-cultural environment. The mission of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and graduate studies. The institute is offering Ph.D., Post Graduate and Under Graduate programmes in 21 branches of Engineering and Science. The institute research centers are engaged in consultancy, research and developmental activities of several bodies such as DST, DBT, DAE, CSIR, DRDO, BARC, ISRO and other private industries.

ABOUT THE CONFERENCE

Globally, organic wastes are available in the form of municipal, industrial and agriculture wastes, and are largely disposed of every year. Accumulation of different organic wastes in land, sea and air increases anthropogenic gases which lead to increase in global warming potential (GWP). Waste-to-energy (WtE) or energy-from-waste (EfW) is one of the methods to reduce the emissions of anthropogenic gases resulted from the accumulation of organic wastes. It is the process of generating energy in the form of electricity and/or heat from the primary treatment of waste. Most WtE processes produce electricity and/or heat directly through combustion, or produce a variety of combustible fuels.

On the other hand, carbon dioxide (CO₂) is generated largely from the combustion of fossil fuels that also causes an increase in GWP. Carbon capture and storage/sequestration (CCS) is the process of capturing waste CO₂ from large point sources such as fossil fuel based power plants, transporting it to a storage site, and depositing to prevent its entry into the atmosphere, normally an underground geological formation. This will help to minimize the continuous accumulation of CO₂ into the atmosphere (from fossil fuel use in power generation and other industries). Considering these emerging issues, this conference is aimed to provide a platform for faculty, research scholars and students from educational institutions, industry, and research organizations to disseminate their knowledge/views on the subject in the disciplines of Biotechnology, Civil Engineering, Chemical Engineering, Earth and Atmospheric Science, Environmental Engineering, Food Technology, Life Sciences, Mechanical Engineering and Mining Engineering.

The conference will focus on the following topics, but not limited to:

- Alternative Fuels
- Algal technology
- Biotechniques for air and water pollution control
- Control of anthropogenic gases
- Composting
- Incineration
- Gasification
- Thermal depolymerisation
- Pyrolysis
- Anaerobic digestion
- Fermentation technology
- Mechanical biological treatment
 Green energy

- Energy/Fuels from municipal solid waste management
- Power generation from organic wastes
- · Energy from waste for fuel cell applications
- CO₂ separation technologies
- Transportation of CO₂
- Carbon storage
- CO₂ recycling
- · CO₂ capture and storage in mining

CALL FOR PAPERS

- Original and unpublished research work/ practice on any one or more of the themes indicated above are invited from practicing engineers, academicians, R&D personnel, consultants and manufacturers. The paper should strictly conform to the following:
- The official language for the conference will be English for all purposes. All correspondence and the papers will be entertained only in English.
- Abstract of the paper must be typed in single space within 300 words. The full text of paper must not exceed 6 pages of A4 size in single space using new Times Roman font of size 12 including abstracts, appendices, tables, illustrations, and photographs. Each author must provide a soft copy by email to ncweccs@gmail.com in MS-word format.

Alternatively abstract/paper can be submitted through https://www.mypadnow.com/ncweccs2017

REGISTRATION FEES

• Faculties from academic institutions: Rs. 2000/-• Participants from industries : Rs. 10000/- Research Scholars / Students :Rs. 1000/-

PAYMENT

All payments should be made through A/c payee Demand Draft in favor of "CONFERENCE NIT ROURKELA", payable at SBI NIT Campus Branch, Rourkela (IFSC Code: SBIN0002109) or through NEFT transfer to A/c No. 36734418111. You can also visit www.nitrkl.ac.in for downloading the registration form and other information.

IMPORTANT DATES

Last date for abstract submission : 15-06-2017 Intimation on selection of abstract by mail : 30-06-2017 Camera-ready paper submission : 20-07-2017 Registration for conference presentation : 25-07-2017

TRAVEL AND ACCOMMODATION

The participants will have to make their own arrangements for travel. Boarding and lodging can be arranged on payment basis in the guest house at NIT Rourkela based upon prior request and availability. There are also many good hotels in Rourkela: the same can be booked on request and prior payment.

HOW TO REACH ROURKELA

Rourkela is on the Howrah (Kolkata)-Mumbai main line of South Eastern Railway. The railway station and intrastate bus stand are 6 KM and 2 KM from NIT Rourkela campus respectively. The airports near to Rourkela are Ranchi, Bhubaneswar and Kolkata. Rourkela is well connected to these cities by rail and train frequency is very good. Subject to the funds received from the funding agencies, participants will be paid to and fro fare via shortest route (strictly on the production of ticket) and provided free boarding and lodging as per Government norms.

ORGANIZING COMMITTEE

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