REGISTRATION FORM

Registration to the workshop is free and can be made online via ***https://tinyurl.com/y3h8pw2e***

Organizing Chair

Dr. R. Vasudevan, Dean SMEC, VIT

Organizing Co-Chair

Dr. M. Murugan, HoD – Manufacturing

Organizing Conveners

Dr. K. Jayakrishna

School of Mechanical Engineering

Dr. G. Rajyalakshmi

School of Mechanical Engineering

IMPORTANT DATES

Full Paper/Poster Submission: 3rd October 2019

Acceptance Notification: 6th October 2019

Conference date: 8th October 2019

ALL CORRESPONDENCE SHOULD BE ADDRESSED TO

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International Virtual Conference

on

Circular Economy

8th, October 2019

Organized by

School of Mechanical Engineering

&

IISE-VIT Student Chapter

Vellore Institute Technology

Vellore – 632014

With Speakers from

University of Derby
Derby, United Kingdom

University of Glasgow
Scotland, United Kingdom

Circular Economy Club,
London, United Kingdom

University of Mercu Buana
Jakarta, Indonesia

University of Peradeniya
Kandy, Sri Lanka

ABOUT VIT

VIT was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT. Currently, VIT has 4 campuses – Vellore, Chennai, Amravati (AP) and Bhopal (MP). The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India in the year 2016 and 2017. VIT has gone for accreditation by NAAC [India], IET [UK] & ABET[USA] and follows world class academic processes. VIT is the first and only University in India to get 4star rating from QS, the world universities ranking organization. The Industry consortium FICCI, has declared VIT as the "University of the Year" in 2016. Ranked 1st among self-financing institutions in the Atal Ranking of Institutions on Innovation Achievements (ARIIA), 2019. VIT is now an Institute of Eminence (IoE) as declared by MHRD, Government of India.

ABOUT THE SCHOOL

The School of Mechanical Engineering (SMEC) comprises of the Mechanical Engineering and Automotive Engineering disciplines. The school has about 174 faculty members trained in reputed institutes such as the IITs and Indian Institute of Science. The pride of the school lies in the significant research funding received from several government agencies such as DRDO, BRNS, ISRO, UGC, AICTE and DST. Memorandums of understanding (MoUs) have been signed with various universities, CMTI Bangalore, IGCAR, IIT Madras and Anna University. The school has regularly benefited from international linkages facilitated by university-level MoUs with a number of leading foreign Universities. Industrial relationships with L&T, Hindustan Corporation Ltd., DLF, CCL, Indian Oil, Gammon India, TATA Consultancy and Godrej etc., have enhanced teaching and research in the school.

OBJECTIVE OF THE VIRTUAL CONFERENCE

The conventional understanding of economic activity is based on a linear model. Natural resources are extracted and transformed into products; the products are bought and used by consumers who, as soon as the products no longer fulfill their needs, throw them away. However, this model ignores the high economic, environmental and social costs related to the extraction, transformation and disposal of resources, and is therefore unsustainable in the long term. A Circular Economy (CE) offers an alternative model where the value of products, materials and resources is maintained for as long as possible and waste is significantly reduced or even eliminated. Keep resources in use for as long as possible, extract the maximum value from them whilst in use, then recover and regenerate products and materials at the end of each service life. Focused on "closing the loops", a CE is a practical solution for living within our planetary boundaries. The transition towards a CE affects different policy areas, ranging from mobility, agriculture, land use and waste management, to business development and consumer education, concerning actors across all sectors and levels of governance. A CE is not something that any single institution or company can do alone. By its very nature, CE fosters connections across individual stakeholders and sectors. However, a transition to a CE is both a necessity and an opportunity, with the potential to offer long-lasting economic, environmental and social benefits. Considering the need for ensuring circularity in manufacturing and supply chain this virtual conference seeks original manuscripts on the following topics

- Circular Product design
- Circular Business Model
- Design for Remanufacturing
- Reverse Cycles and Cascades
- Sustainable Manufacturing in Industry 4.0
- Sustainable Supply Chain Management
- Interesting case studies on sustainable design and manufacturing of eco products

POSTER PRESENTATION

We welcome original research papers and posters which share research across all disciplines related to Circular Economy. Interested participants are invited to submit their research papers and poster for presentation at the International Virtual Conference on Circular Economy on 8th October, 2019. For consideration, abstracts must be submitted by 3rd October, 2019 via email to **iie@vit.ac.in**. Based on the review by panel members, prizes will be announced for best poster(s) and paper(s).

Template

Manuscript – *Adopt IEEE format*

Poster – *A3 size*

TARGET AUDIENCE

Faculty members, research scholars, postgraduate and undergraduate students, participants from industries working in the field of engineering, management and applied sciences are eligible.

CERTIFICATION

Participation and presentation e-certificates will be issued by the School of Mechanical Engineering, VIT, Vellore.

PUBLICATION

Proceedings of the conference will be published with an ISBN number after peer reviewing.