

## IMPORTANT DATES

Submission of Full Length Paper: 10th March

Notification of Acceptance: 25nd March

Submission of Revised Paper: 5nd April

Early bird Registration: 5nd April - 15th April

## About NITR

National Institute of Technology 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 in 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.

## About ID Department

Industrial Design involves the design and development of industrially produced items. Industrial designers use drawings, models, and computer programmes to design products and processes. Industrial design products include items such as mobile phones, automobiles, household appliances, electronic equipment, furniture, jewelry etc. and products which will be made as one-offs, such as craft products, trophies, or models and full-scale mock-ups. The industrial designers also use their skills to invent completely new products, to do computer modelling and animation, and to propose new ways of doing everyday things. In addition to aesthetic concerns, social references, global interactions and the expectations of the users are taken into consideration.

## 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 6kms and 2kms 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.



NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA-769008  
ODISHA

# 1st International Conference ON Innovative Product Design and Intelligent Manufacturing System (ICIPDIMS-19)

17& 18 May 2019

## Venue

Department Industrial Design,  
National Institute of Technology  
Rourkela

## PATRON

PROF. ANIMESH BISWAS  
DIRECTOR  
NIT ROURKELA

## CHAIRMAN & PROGRAME CONVENER

Prof. B B V L Deepak (HOD, ID-Department)  
+91-661-246 2855 (o);  
+918984180965(M)  
Email Id: bbv@nitrkl.ac.in

## SECRETARY & PROGRAME CO-ORDINATOR

Prof. D R Parhi (HOD, Mech. Department)  
+91-661-246 2514 (o);  
+919861067309 (M)  
Email Id: drkparhi@nitrkl.ac.in

ORGANIZED BY

DEPARTMENT OF INDUSTRIAL DESIGN  
&  
DEPARTMENT OF MECHANICAL ENGINEERING




NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA-769008  
ODISHA



1st International Conference on  
**Innovative Product Design  
and Intelligent Manufacturing System  
(ICIPDIMS-19)**



**Product Design:** is the idea generation to commercialize the product by systematic approach, conceptualize and evaluate ideas to create a product. The product designer's role is to combine art, science, and technology to create new products that people can use. Their evolving role has been facilitated by digital tools that now allow designers to communicate, visualize, analyze and actually produce tangible ideas in a way that would have taken greater manpower in the past.



**Smart Manufacturing:** is a broad category of manufacturing with the goal of optimizing concept generation, production, and product transaction. Manufacturing is the multi-phase process of creating a product out of raw materials; smart manufacturing is a subset that employs computer control and high levels of adaptability. Smart manufacturing aims to take advantage of advanced information and manufacturing technologies to enable flexibility in physical processes to address a dynamic and global market.

The theme ICIPDIMS-19 discusses about the current issues that are facing in industries. In this conference, a wide range of fields like Computer Science, Electronics, Electrical, Automation, Robotics, 3D Printing, Smart Manufacturing, Mechatronics, Composite Materials and many more. The research related to all fields of engineering likely to be covered in this conference. Experts from industries and academia deliver the key note lecture in this conference.

The organizing committee invites papers in various fields like Robotics, Smart Manufacturing, Automation, Electrical, Electronics, Computer Science, Design, Composite Materials and many more.

The topics related to scope of conference are listed in below tracks:

### **Track-1: Innovative Product Design**

Design Aesthetics

Ergonomics Design

UX/UI Design

Human Computer Interaction

Computer Aided Design

Design for Cost & Sustainability

Design Creativity & Optimization

Design for Sustainability

### **Track-2: Intelligent Manufacturing Systems**

Artificial Intelligence in Manufacturing Process

Optimization and Simulation

Process Planning and Scheduling

Smart Manufacturing

Virtual Manufacturing

Robotics, Mechatronics & Automation

Precision Engineering and Metrology

Supply Chain Management

CAD/CAM/CAE