



NIT Rourkela

7th Innovative Product Design and Intelligent Manufacturing Systems: International Conference

27-28 December 2025



<https://ipdims.in>

Industrial Design

AI in Manufacturing

Industrial Automation

2025



Selected Papers that are registered and presented will be published in SCOPUS Indexed book series or journals



7th Innovative Product Design and Intelligent Manufacturing systems: International Conference



About the Conference

Product Design is the idea generation to commercialize the product by a 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 produce tangible ideas in a way that would have taken greater man power in the past. Smart Manufacturing is a broad category of manufacturing with the goal of optimizing concept generation, production, and product transaction. While manufacturing can be defined as 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 IPDIMS-25 discusses 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 keynote lecture at this conference.

About NIT, Rourkela

National Institute of Technology, Rourkela is an institute of national importance created under the act of parliament. With different inclusive initiatives and the introduction of a standardized education policy, over the years, the Institute's graduates have been great performers at professional fronts in India and abroad. With the focus on teaching and learning across departmental boundaries, the mix-technology and management skills, NITians have been valuable assets to our country.

Today, NIT Rourkela is a highly prestigious institute with a reputation for excellence in research, consultancy and education at undergraduate, postgraduate and doctoral levels. It is passionately committed to making our country a world leader in technology and science and to inculcate this commitment among all its students. Our target is to be known around the world for our academic standards and to be counted among the best technological institutes of India in terms of innovation, entrepreneurship and creation of intellectual wealth.

About Host

Department of Industrial Design at National Institute of Technology Rourkela was established in 2010 to flourish in the emerging areas of design fields. 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.



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Call for Papers

This conference confines with eight tropical tracks, which are well balanced in content and created an adequate discussion space for recent inventions. IPDIMS hosts following research tracks:

- Track-i : Design in Aesthetics, Ergonomics, CAD and UX/UI
- Track-ii : Design for cost and sustainability
- Track-iii : Design for creativity and optimization
- Track-iv : Smart manufacturing, Precision Engineering and Metrology
- Track-v : Artificial Intelligence in manufacturing processes
- Track-vi : Optimization and simulation
- Track-vii : Virtual manufacturing
- Track-viii : Robotics and Automation, Mechatronics

Author Guidelines

Prospective authors from India and abroad are invited to submit manuscripts reporting original, unpublished research and recent developments in the topics related to the conference. Submissions must include title, abstract, author(s) affiliation with the email address and keywords as per template which is available in the website. The paper should not contain page numbers or any special headers or footers. Regular papers should present novel perspectives within the general scope of the conference. Short papers (Work-in-Progress) are an opportunity to present preliminary or interim results. The paper length should be in 6-8 pages Literature reviews/survey papers will only be considered if they present a new perspective or benefit the field. To be published, such papers must go beyond a review of the literature to define the field in a new way or highlight exciting new technologies or areas of research.

Click/copy the below link to download paper format at the bottom of the web-page. Please use word format for manuscript preparation.

<https://www.springer.com/us/authors-editors/conference-proceedings/editors>

Policy on Plagiarism

All submitted papers will be subjected to a "similarity test" by Turnitin Software. Papers achieving a minimal similarity index i.e. less than 15% will be examined, and those are deemed unacceptable will be rejected/withdrawn without a formal review. As per the copyright transfer agreement, authors are deemed to be individually or collectively responsible for the content of the manuscript published by them.



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Important Dates

Call for Papers (First Round)

Submission of full length paper :	25-09-2025	25-10-2025
Acceptance notification :	30-10-2025	
Submission of Revised Paper :	05-11-2025	
Early Bird Registration :	05-11-2025	
Late Registration :	21st to 27-11-2025	

Call for Papers (Second Round)

Submission of full length paper :	01-11-2025
End date	30-11-2025
Acceptance notification :	7 days from the submission date
Submission of Revised Paper :	07-12-2025
Registration (with late fee payment) :	10-12-2025

Conference Dates : **27 & 28 December 2025**



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Registration Details

Each paper should be registered either by the corresponding author or any of the co-author of the paper to publish in the conference proceedings. The following registration fee is applicable for a single paper

Category	First Round Call Registration (till 05-11-2025)	Second Round Call Registration (till 10-12-2025)
Student	6,000 INR	2000 INR / 25 USD Extra per paper
Academician/ R&D Lab.	8,000 INR	
Industrialist	10,000 INR	
Attendee	2,000 INR	
Foreign Delegate	150 USD	

Note: If your paper exceed 8 pages, a maximum of 2 additional pages are allowed with additional page charges of Rs 1000/page to be paid.

Payment towards registration should be made through online transfer or Demand Draft. After the payment of Registration fees, authors are requested to send properly filled, signed and scanned registration form to 'icpdims@gmail.com'.

The bank details for payment are as follows:

Name of the Account : Conference NIT Rourkela
Account Number : **36734418111**
IFCS code : SBIN0002109
Bank Name : State Bank of India

Branch : SBI, NIT Campus, Rourkela
Address : SBI, NIT Campus, Rourkela-769008,
Odisha
Account Type : Saving Account
Swift Code : SBININBB137 (Commercial)

Registration fee includes conference kit, participation certificate, working lunch, refreshments, and gala dinner



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1st IPDIMS 2019

1st IPDIMS was hosted by National Institute of Technology, Rourkela during 17-18 May 2019. In this two days conference, total of 132 researchers presented their papers on subjects in the areas of design and manufacturing.

Total 105 articles were selected from the proceedings for the publication as book entitled 'Innovative Product Design and Intelligent Manufacturing Systems' in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering.



2nd IPDIMS 2020

2nd IPDIMS was hosted by National Institute of Technology, Rourkela rescheduled to 12 -13 Feb 2021. In this two days conference, total of 165 researchers presented their papers on subjects in the areas of design and manufacturing.

Total 106 articles were selected from the proceedings for the publication as two book volumes in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering.

3rd IPDIMS 2021



3rd IPDIMS was hosted by National Institute of Technology, Rourkela during 30-31 Dec 2021. In this two days conference, total of 272 researchers presented their papers on subjects in the areas of design and manufacturing.

Selected articles are considered for the publication as book entitled 'Recent Trends in Product Design and Intelligent Manufacturing Systems' in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering.

4th IPDIMS 2022



4th IPDIMS was hosted by National Institute of Technology, Rourkela during 25-26 November 2022. In this two days conference, total of 157 researchers presented their papers on subjects in the areas of design and manufacturing.

Selected articles are considered for the publication as book entitled 'Intelligent Manufacturing Systems in Industry 4.0' in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering.

5th IPDIMS 2023



5th IPDIMS was hosted by National Institute of Technology, Rourkela during 06-07 Dec 2023. In this two days conference, total of 172 researchers presented their papers on subjects in the areas of design and manufacturing.

Selected articles are considered for the publication as book entitled 'Recent advancements in Product Design and Manufacturing Systems' in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering.

6th IPDIMS 2024

6th IPDIMS was hosted by National Institute of Technology, Rourkela during 04-05 Dec 2024. In this two days conference, total of 212 researchers presented their papers on subjects in the areas of design and manufacturing.

Selected articles are considered for the publication as one book volume entitled 'Applied Artificial Intelligence and optimization methods in Manufacturing Technology' in SCOPUS indexed Springer Lecture Notes in Mechanical Engineering and another book volume entitled 'Application of Computers Technology in Product Design and Manufacturing Fields' in SCOPUS indexed Springer, Lecture Notes on Multidisciplinary Industrial Engineering



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<https://ipdims.in/>

<https://www.nitrkl.ac.in/Academics/Events/Conferences/>

Venue

The conference will be held at National Institute of Technology, Rourkela, India. Rourkela is a planned city located in the northern part of Odisha, India. It is the third largest Urban Agglomeration in the state of Odisha, India. It is situated about 350 kilometers from Bhubaneswar, the state capital and is surrounded by a range of hills and encircled by rivers.



How to Reach

By Road - Rourkela is well connected by State Highway no. 10 and National Highway no. 23. It connects to the cities like Ranchi, Raipur, Sambalpur, Bhubaneswar etc.

By Rail - Rourkela railway station is 7 km away from the NIT campus. The Howrah-Mumbai line and Ranchi-Bhubaneswar line passes through this city.

By Air - The airports near to Rourkela are Jharsuguda, Ranchi, Bhubaneswar, Raipur and Kolkata.