



# National Conference on Intelligent Systems, IoT, and Wireless Communication for the Society (IIWCS-2024)

February 16-17, 2024

Venue:

IEI, Rourkela Local Centre Building, NIT Campus, Rourkela, Odisha, India

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The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses fifteen engineering disciplines and provides engineers a global platform to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8, Ghokale Road, Kolkata-700020, IEI has served the engineering fraternity for over nine decades. In this period of time, it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organizations across the globe. IEI functions among the professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the government industries, academia and the engineering fraternity, it operates from 125 centers located across the country. The institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institute also awards the Professional Engineers (PE) certification.

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## ABOUT IEI, ROURKELA LOCAL CENTRE

Rourkela local centre of the Institution of Engineers (India) was established in 1964 and since then, it has been organizing technical activities on topical themes for the benefit of engineering fraternity and society at large. It has successfully organized many important technical activities including three national conventions. The activities were acclaimed by the corporate members and others alike.

## OBJECTIVE OF THE SEMINAR

In the modern world, the conjunction of intelligent systems, the Internet of Things (IoT), and wireless communication has ushered in a transformative era with profound implications for society. These technologies are shaping the way we live, work, and interact with our environment, offering numerous benefits and opportunities. Intelligent systems, powered by Artificial Intelligence (AI) and Machine Learning (ML), are capable of processing vast amounts of data, making predictions, and automating complex tasks. These have revolutionized various sectors, such as healthcare, finance, defence, space applications and transportation etc. IoT has led to the creation of smart homes, smart cities, and smart industries. In society, IoT enhances energy efficiency, reduces waste, and improves overall quality of life. Wireless communication technologies, including 5G, 6G, and beyond, provide the backbone for connecting intelligent systems and IoT devices. These enable high-speed data transmission, low latency, and ubiquitous connectivity. Society benefits from these advancements through faster and more reliable internet access, enabling remote work, telemedicine, and a plethora of new digital services.

### Theme of the seminar (and not limited to)

1. AI & ML, Big data and cloud computing
2. Energy efficient VLSI and IoT
3. Cyber security systems
4. 5G, 6G, and beyond
5. Computer vision
6. Quantum communication
7. Intelligent transportation and vehicular systems
8. Health care system and applications
9. Antennas, arrays and applications
10. Microwave Devices and Metamaterials

11. RFID Antennas and systems
12. RADAR and imaging systems
13. Tera Hertz communication
14. Optical communication and networks
15. Embedded systems and robotics

### Call of Papers

Original and unpublished research works / practices on any one or more of the themes indicated above are invited from practicing engineers, academicians, R&D personnel, consultants and manufacturers. The full paper will be single blind reviewed by the technical committee before acceptance. Paper must comply with "Springer template with paper length of 6-10 pages" including abstract, keywords, main body of paper, tables, illustrations, images and references. Awards will be given to best papers. All accepted papers will be published in the **SPRINGER PROCEEDINGS**. Selected extended papers will be published in Scopous/SCI indexed journals.

### PAPERSUBMISSION LINK:

<https://cmt3.research.microsoft.com/IIWCS2024>

### IMPORTANT DATES

Submission of Paper	:	30/12/2023
Intimation of Acceptance	:	31/12/2023
Camera Ready Paper Submission	:	10/01/2024

### ADVERTISEMENT TARIFF

Back cover (Colour):	INR 10000
Inside cover-front and back (Colour)	INR 5000
Full Page (Colour):	INR 4000
Full Page (B & W):	INR 2000
Stall and Banners:	INR 8000

# GST @ 18% is applicable.

### REGISTRATION FEE DETAILS

Category	Early Registration	Late Registration
	Before 05th Jan 2024	05th - 10th Jan 2024
Student / Research Scholars (IE members)	2500/-	3000/-
Student / Research Scholars (Non IE members)	3000/-	3500/-
IE(I) Members (Academician/RSD / Industry)	3500/-	4000/-
Delegates from Academia (Non IE members)	4000/-	4500/-
RSD/Industry Personnel (Non IE members)	5000/-	6000/-

# Registration fee is inclusive of GST @ 18%.

### REGISTRATION LINK

<https://iiwcs2024.nitrkl.ac.in/index.html>

### MODE OF PAYMENT

THE INSTITUTION OF ENGINEERS (INDIA), ROURKELA LOCAL CENTRE SB A/c. No.10138951036; IFS Code: SBIN0002109. Properly filled registration form and payment should be updated in registration form.

### ACCOMMODATION

A limited number of rooms may be provided for participants on first come first serve basis at NIT Rourkela guest house, subject to availability. Various types of hotels are available at Rourkela with charges ranging from Rs. 1000 to Rs. 3000/-.

### CORRESPONDENCE

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Organized by

Department of Electronics & Communication Engineering

National Institute of Technology Rourkela, Odisha, India



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