



# The Indian Institute of Welding Announces



## National Welding Meet - 2024



Advanced Welding Technologies  
for Sustainable Manufacturing -  
Leveraging Industry 5.0



Hosted By  
IIW-India Kolkata Branch

26<sup>th</sup> & 27<sup>th</sup> September 2024

The Stadel  
Salt Lake Stadium  
Kolkata

Media Partner  
**WELDFAB TECH**  
TIMES



# About The Indian Institute of Welding

The Indian Institute of Welding (IIW-India), established on April 22, 1966, in Kolkata, is a national professional body dedicated to advancing welding science and technology. With 14 branches and several Students' Chapters nationwide, it boasts over 4500 members, including approximately 150 industrial corporate members. IIW-India publishes the 'Indian Welding Journal' (IWJ) quarterly, featuring high-standard technical research papers alongside a section dedicated to AWS (American Welding Society).

As the Responsible Member Society of the International Institute of Welding (IIW), it is authorized to confer globally recognized professional diplomas like International Welding Engineer (IWE), International Welding Technologist (IWT), International Welder (IW) etc., and to certify companies according to ISO 3834 through its status as an Authorised Nominated Body (ANB & ANBCC). Additionally, it conducts its own Welder certification program under the National Welding Training and Certification Scheme (NWTCS), Welding Inspectors' certification program under the National Welding Inspectors' Certification Scheme (NWICS), and AM-IIW Examination awarding 'National Welding Engineer' certification.

IIW-India is actively involved in skill development initiatives, acting as an Assessing Body for Directorate General of Training (DGT), Sector Skill Councils, and NSDC (National Skill Development Corporation) under various Government schemes. It supports industry by enhancing the skills of welders and welding engineers through industry-driven certification programs. Furthermore, IIW-India organizes free skill competitions to motivate welders and welding engineers.

With the motto 'Welding for Nation Building', the Indian Institute of Welding remains steadfast in its commitment to serve the country and the welding fraternity at large.

## IIW-India Kolkata Branch

A group of dedicated and experienced professionals from Bengal, Bihar, Assam, and Odisha propelled the modest beginnings forward, culminating in the establishment of the Calcutta Branch on March 12, 1973, at the Tata Centre in Calcutta. This branch was later renamed as Kolkata Branch. In the year 2023, Kolkata Branch celebrated its Golden Jubilee Year with much grandeur.

## National Welding Meet 2024

Among many national and international events, IIW-India organizes National Welding Meet at different locations of the country. This year IIW-India Kolkata Branch has been showered the responsibility to host the 'National Welding Meet – NWM 2024'.

The theme of NWM 2024 is: 'Advanced Welding Technologies for Sustainable Manufacturing - Leveraging Industry 5.0'

# Objective of The Theme

In recent years, India has undergone a remarkable technological transformation, profoundly altering its socio-economic landscape and GDP growth trajectory. The proliferation of digital platforms and the emergence of cutting-edge innovations have become pivotal drivers of progress across various sectors. A significant advancement shaping India's socio-economic fabric is the widespread adoption of digitalisation, marking a key aspect of the ongoing Fourth Industrial Revolution.

Additionally, emerging technologies like artificial intelligence (AI), machine learning, and big data analytics are revolutionising industries and bolstering productivity levels. As we transit into the Fifth Industrial Revolution – Industry 5.0 – the evolution of Industry builds upon the principles and technologies established in Industry 4.0. While the previous phase focused on automation, data exchange, and smart manufacturing, Industry 5.0 reintroduced the human element into the production process.

Amid concerns about job security in the era of open AI, Industry 5.0 advocates for "human-centric" manufacturing, emphasizing collaboration between humans and machines. This approach entails tasks such as collaborative robots (cobots) working alongside human workers and advanced technologies that augment human capabilities rather than replacing them.

Our upcoming welding meet will spotlight the latest welding technologies integrated into welding machines, complemented by the expertise and insights of welding professionals regarding materials, processes, techniques, and quality standards. We believe this gathering will facilitate knowledge exchange among the Indian welding community, leveraging technology's transformative potential to position India as a preferred manufacturing hub and propel the country's GDP growth.

## Who Should Attend This Seminar

Practising Professionals

Engineers

Technologists


Academics

Research Scholars & Students



# Call for Technical Papers

We invite technical papers for our upcoming welding meet themed 'Advanced Welding Technologies for Sustainable Manufacturing - Leveraging Industry 5.0.' This meet aims to explore the intersection of cutting-edge welding techniques with the principles of Industry 5.0, focusing on sustainability and innovation in manufacturing processes.



We encourage submissions that address, but are not limited to, the following topics:

1. Novel welding methods and materials for sustainable manufacturing
2. Integration of Industry 5.0 principles in welding automation and robotics
3. Advances in welding technologies for reducing environmental impact
4. Case studies and best practices in implementing sustainable welding processes
5. Human-machine collaboration in welding operations within Industry 5.0 framework
6. Quality control and assurance in sustainable welding practices
7. Energy-efficient welding techniques and their role in green manufacturing
8. Digitalization and data-driven approaches in optimizing welding processes for sustainability
9. Training and skill development initiatives for welding professionals in the era of Industry 5.0
10. Integrateion of human - machine collaboration for enhanced welding safety in industry 5.0
11. Additive Manufacturing in Industry 5.0 framework

Authors are encouraged to submit original research papers, case studies, or review articles that contribute to the advancement of knowledge in the field of welding technologies for sustainable manufacturing within the context of Industry 5.0. Selected papers will be nominated for publishing in the Indian Welding Journal.

## **Submission Guidelines:**

- Papers should be written in English and properly formatted. Manuscripts should be submitted by email to Professor T. K. Pal at [tkpal.ju@gmail.com](mailto:tkpal.ju@gmail.com) with a copy to [iiw.kolkata@iiwindia.com](mailto:iiw.kolkata@iiwindia.com) within the specified deadline.
- Each submission will undergo a peer-review process by experts in the field. Accepted papers will be presented at the seminar and selected papers / extended abstracts will be published in the conference proceedings.

## **Important Deadlines:**

Submission of Extended Abstracts : 31st of July 2024

Acceptance of Extended Abstracts : 14th of August 2024

Submission of full paper : 31st of August 2024

Join us in shaping the future of welding technologies and sustainable manufacturing practices within the framework of Industry 5.0. Submit your technical papers and be part of this transformative dialogue.



## Delegate Charges: (Inclusive of GST)

Delegate Category	Non Members	Authors	IIW-India Members	Students	IIW-India Student Members
Tariff (Incl. GST)	4,000.00	3,000.00	3,000.00	1,400.00	500.00

## Advertisement Tariff:

Advertisement Type	Center Spread	Back Cover	Front / Back Inside Cover	Colour Full Page	B/W Full Page	B/W Half Page	Standee Display	15sec. Company Video during Breaks
Tariff	35,000.00	25,000.00	20,000.00	15,000.00	10,000.00	7,000.00	4,500.00	20,000.00
GST	1,750.00	1,250.00	1,000.00	750.00	500.00	350.00	810.00	RCM
Net Payable	36,750.00	26,250.00	21,000.00	15,750.00	10,500.00	7,350.00	5,310.00	20,000.00

## Sponsorship:

NWM 2024 is going to be one of its kind by creating a platform for knowledge exchange among the Indian welding industry, academia, OEMs leveraging technology's transformative potential to position India as a preferred manufacturing hub. In view of this a dedicated platform is being designed for the manufacturers to showcase their latest innovations through sponsorship:

Sponsorship Category	Platinum	Gold	Silver	Kit
Branding on Displays	✓	✓	✓	✓
Free Delegate	6	4	3	2
One Colour Full Page Advertisement	✓	✓	✓	-
10min. Presentation on Product Innovation	✓	✓	-	-
2min. Corporate Video	✓	✓	✓	-
Sponsorship Tariff: (Net Payable)	2,50,000.00	2,00,000.00	1,50,000.00	50,000.00

**GST @ 18% to be paid directly by sponsors on RCM**

\* Sponsors are requested to pay the specified GST(18%) directly by themselves on RCM basis.

For Online Transfer, please refer the details here below:

Beneficiary: The Indian Institute of Welding [GSTIN: 19AAATT5926E2ZB]

A/c No.: 058502000011593

Bank Name & Branch: Indian Overseas Bank, Prince Anwar Shah Road Connector Branch

IFSC: IOBA0001929.

PAYMENT DETAILS:

Cheque / Demand Draft to be drawn in favour of "THE INDIAN INSTITUTE OF WELDING" Payable at KOLKATA. Cheque may be sent to The Organising Secretary, NWM 2024, IIW-India Kolkata Branch



## National Advisory Committee

<b>Chairman</b>	<b>: Mr. D.V. Acharya</b>
<b>Vice Chairman</b>	<b>: Mr. Rahul Sengupta</b>
	<b>: Mr. Abby K. Joseph</b>
	<b>: Mr. T. Ravi Kumar</b>
	<b>: Mr. B. K. Dey</b>
<b>Secretary General</b>	<b>: Mr. Rituraj Bose</b>
<b>Chairman Financial Committee</b>	<b>: Mr. Ratan Poddar</b>
<b>Chairman Technical Committee</b>	<b>: Mr. D. V. Kulkarni</b>
<b>Members</b>	<b>: Mr. R. Srinivasan, Mr. P. K. Das</b>
	<b>: Prof. G. L. Datta, Prof. Vishvesh Badheka</b>
	<b>: Mr. Jose P. Philip</b>

## Local Organising Committee

<b>Chairman</b>	<b>: Prof. Santanu Das</b>
<b>Convenor</b>	<b>: Mr. Devasis Paul</b>
<b>Chairman Technical Committee</b>	<b>: Prof. T. K. Pal</b>
<b>Chairman Finance Committee</b>	<b>: Mr. Ramendra Chandra Saha</b>
<b>Chairman Student Chapter &amp; Delegate Promotion</b>	<b>: Mr. Suvendu Ghosh</b>
<b>Chairman Publicity &amp; Souvenir</b>	<b>: Dr. Manas Kumar Saha</b>
<b>Chairman Resource Mobilisation</b>	<b>: Mr. Debojyoti Debnath</b>
<b>Chairman Media / Publicity / Hospitality</b>	<b>: Mr. Dipayan Paul</b>
<b>Members</b>	<b>: Dr. Mahadev Shome, Mr. Surajit Deb</b>
	<b>: Mr. Subhodwip Saha, Dr. Bikash Choudhuri</b>
	<b>: Mr. Arindam Mukherjee, Mr. Aman Sonkar</b>

### Contact for Information:

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**Prof. Santanu Das, Mob: 9433956050; Email: [santanu.das@iiwindia.com](mailto:santanu.das@iiwindia.com)**  
**Mr. Devasis Paul, Mob: 9830035163; Email: [devasis.paul@iiwindia.com](mailto:devasis.paul@iiwindia.com)**

## The Indian Institute of Welding

Kolkata Branch

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