



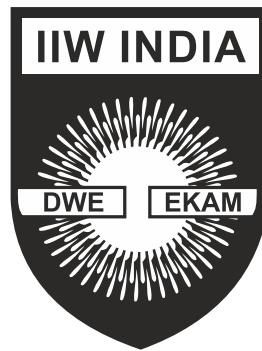
IIW-INDIA WELDING AWARD

Seventh Edition, June 2024



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THE INDIAN INSTITUTE OF WELDING

(A Member Society of the International Institute of Welding)

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FOREWORD

This handbook on IIW-India Welding Awards is being brought out with the objective of projecting the various Memorial Lectures & Awards presented by **The Indian Institute of Welding (IIW-India)** to honour individuals for their distinguished and outstanding contributions to Welding Science and Technology.

Over the years, the Institute has introduced several awards for recognising excellence in various aspects of welding technology like Research & Development, Fabrication, Repair & Reclamation Welding, Non-ferrous Welding, Automation etc.

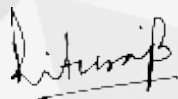
These awards have been instituted to the honour of various eminent individuals who have made outstanding contributions to the cause of welding in India or sponsored by the organizations, those who are engaged themselves for the cause of welding. Not only that, but there are also several awards for the winners of different National Skill Competitions, where professional as well as students are taking part. These awards are presented each year during the inaugural ceremony of the Institute's National Welding Seminar or International Congress.

It is a pleasure to know that the Awards Handbook published by IIW-India was extremely well received and appreciated amongst the welding fraternity. As a result, engineers, technologists, academics, and students are inspired and taking part in our activities.

The fundamental criterion for any publication is that it must be kept updated to reflect the latest developments. Therefore, the 6th edition of the Award Handbook is being published, where a revision in the award sponsorships as well as new enlisted awards have been incorporated.

We hope that the Handbook will continue to fulfil a useful role in encouraging more participation from the welding fraternity by providing updated information on the various awards of the Institute and will attract young generation to take part in different competitions.

With warm regards,



Rituraj Bose
Honorary Secretary General
The Indian Institute of Welding

September 23, 2023
(6th Edition)

7th Edition of this handbook is updated after incorporating changes in the criteria of best performing branch and welding competitions; also, incorporating the changes in sponsorship for welding engineers' competition.

Rituraj Bose
June 1, 2024



Message from the President



Happy to note The Indian Institute of Welding (IIW-India) is coming up with Handbook for Welding Award which are conferred to individuals based on their distinguished and outstanding category in Welding, Science and Technology.

These awards are presented every year during inaugural ceremony of National Welding Seminar (NWS) or International Congress (IC) in different Categories.

In recent past, we have observed a very good response from Welding fraternity for presenting their research work, case study on industrial applications and advancement in Welding, Science & Technology.

Majority industries and individuals are also approaching The Indian Institute of Welding for presenting awards which we see as major step in promoting welding science to young and budding engineers.

I am confident that such initiatives taken by IIW-India will go a long way to motivate and encourage individuals to participate in activities in a big way.

A handwritten signature in black ink, appearing to read 'Acharya' with a stylized flourish at the end.

Deepak Acharya
President
The Indian Institute of Welding

September 23, 2023
(6th Edition)



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A Brief Profile of The Indian Institute of Welding

A major industrial development and growth process started in India during the fifties soon after Independence. Substantial Investments were made to create the infrastructure and foundation for a manufacturing base of different kind of industries towards the growth of the Country. Trained technical personnel with expert knowledge to keep pace with the developments within India & abroad were an essential requirement for rapid Industrial growth with self-reliance.

In order to foster development of the welding profession in India, the members of the erstwhile Indian Chapter of the Institute of Welding, London took the initiative to form The Indian Institute of Welding, which was incorporated on the 22nd of April 1966 at Calcutta, now Kolkata. The formation of the institute fulfilled an intensely felt need for a National Professional Body for the advancement of welding science and technology in India. The Indian Institute of Welding is committed to fulfil its objectives, as stated here below:

❖ Vision

Be the major driving force in building up and adding values for a “National Welding Capability” as the premier professional institute in India.

❖ Mission

Attract more and more individuals to choose welding as a career, as we consider it as a noble profession that contributes enormously to nation building.

❖ Quality Policy

The Indian Institute of Welding (IIW-India) shall strive to advance toward its stated Vision and Mission by establishing and continually improving the overall quality of its services. The institute is committed to serve the welding fraternity through its presence and active support in the field of welding science and technology; and is also committed to establish an effective mechanism to diffuse the knowledge of welding science and technology to every possible stakeholder from unskilled to highly skilled resources with a motto “Welding for Nation Building”.

❖ Major focus areas of IIW- India

- To assist human resource development through national and international diplomas and certification.
- Research and development in the field of welding science and technology.
- To establish and promote international standard of quality for the Indian fabrication industry, so that the global competitiveness can be achieved.
- Skill development programme for every level of welding professionals.
- To support educational institutes and industries with respect to welding.
- To establish a good relationship with industry to support issues related to welding.
- To improve the image of welding and its practitioners in the society by bringing awareness about its importance and contribution to the national economy.





IIW-INDIA AWARD FOR EXCELLENCE



IIW-India Excellence Award for Services to the Institute

This award is being given during the International Events hosted by the Institute at the Inaugural Ceremony of the International Conference / International Congress since 2011, to the persons who have rendered dedicated and outstanding services to the nation over a sustained period of time. Recipients are individuals who apart from being distinguished professionals in his / her field of expertise, have supported IIW-India activities to enable the Institute to significantly advance its objectives.

❖ **Criteria**

He / She should be a person of eminence and also possesses excellence in sharing and dissemination of knowledge base in developing welding science and technology in India and also enlighten the worldwide welding fraternity throughout his / her career.

❖ **Evaluation Procedure**

A six-member panel comprising of President, four Vice Presidents and the Hony. Secretary General will evaluate the proposals received in this regard from the Council Members and select the most suitable candidate for the same. President will be the Chairman of the Selection Committee.

AWARD

The Winner of this award will receive a Silver Plaque and a Scroll

Winners of IIW-India Excellence Award for Services to the Institute:

Year	Name
2011	Dr. V. Krishnamurthy
2014	Shri S. Ramadorai
2016	Shri Manohar G. P. Parrikar
2017	Dr. R. Chidambaram
2020	Dr. R. S. Parmar
2020	Shri S. V. Sambamurti
2024	Shri Subhendu Chaudhuri
2024	Shri R. Srinivasan

IIW-India Excellence Award for International Relations

This award is being given during the International Events hosted by the Institute at the Inaugural Ceremony of the International Conference / International Congress since 2016 to an eminent professional, who have rendered dedicated and outstanding services to the International Institute of Welding over a sustained period. Recipients are individuals who apart from being distinguished professionals in the field of welding, have supported IIW-India for its activities, to enable the institute to significantly advance its objectives

❖ **Criteria**

He / She should be a foreign national and a person of eminence of International Institute of Welding and also possesses excellence in sharing and dissemination of knowledge base in welding science and technology globally through active technological statesmanship.

❖ **Evaluation Procedure**

A six-member panel comprising of President, four Vice Presidents and the Hony. Secretary General will evaluate the proposals received in this regard from Council members and select the most suitable candidate for the same. President will be the Chairman of the Selection Committee.

AWARD

The Winner of this award will receive a Silver Plaque and a Scroll

Winners of IIW-India Excellence Award for International Relations:

Year	Name
2016	Shri Chris Smallbone, Australia
2016	Shri Ray Shook, USA
2017	Dr. (Smt.) Cecile Mayer, France
2020	Prof. Americo Scotti, Brazil
2024	Dr. Luca Costa, Italy

Lifetime Achievement Award

This award is being given annually during the Inaugural Ceremony of the National Welding Seminar or International Congress since 2002 to an eminent professional, who have rendered dedicated and outstanding service to The Indian Institute of Welding over a sustained period. Recipients are individuals who apart from being distinguished professionals in the field of welding, have contributed to IIW-India activities to enable the institute to significantly advance its objectives

❖ Criteria

1. a) He should be a person of eminence.
b) Administrative excellence in institute's activities.
c) Number of Members introduced.
d) Responsible for formation of Chapter / Centre / Branch.
e) Excellence in Organising Seminars / Meets.
2. He must be an eminent personality and a Member of IIW-India for at least 15 years.
3. He must have made noteworthy contribution to IIW-India at the Branch / National Level.
4. No existing Council Member of the Institute is eligible for this award.

❖ Evaluation Procedure

1. A Six-member panel comprising of President, four Vice Presidents and the Hony. Secretary General will evaluate the applications received in this regard from different branches and select the most suitable candidate for the same. President will be the Chairman of the Selection Committee.
2. It is now decided that only one Lifetime Achievement Award will be bestowed per year.
3. The evaluation will be based on the following criteria vis-à-vis weight age percentage.

S. No.	Criteria	Weightage Percentage
01	Academic Qualification & Experience of the candidate	10
02	Service to the Institute	40
03	Professional Achievement	30
04	Notable contribution to the industry	20

4. Based on the average score as evaluated by the six members separately, the best candidates shall be selected and put up for approval by the Central Council.
5. IIW-India Secretariat will invite nomination from the Branches for this award. The criterion of this award is also to be circulated to Branches. The last date of submission of nominations is 15th August every year. On receipt of the nominations from the Branches the same are to be forwarded to the Chairman Selection Committee for evaluation.

AWARD
The Winner of this award will receive a Silver Plaque and a Scroll

Winners of Lifetime Achievement Award:

Year	Name
2002	Dr. M. N. Dastur
2003	Shri V. R. Subramaniam
2005	Shri P. S. Visvanath
2005	Shri S. V. Sambamurti
2006	Shri A. K. Basu
2006	Prof. Placid Rodriguez
2007	Dr. Baldev Raj
2007	Shri K. M. Panthaki
2007	Dr. V. G. Jagannath
2008	Shri M. P. Dhanuka
2008	Shri A. K. Mukherjee
2009	Shri N. K. Sarkar
2010	Prof. S. K. Agrawal

Year	Name
2011	Dr. R. S. Parmar
2013	Prof. G. L. Datta
2014	Prof. S. Sundaresan
2014	Shri C. C. Girotra
2015	Shri D. S. Honavar
2016	Shri R. R. Bhattacharjee
2017	Shri M. N. Ghoshal
2018	Shri B. K. Mishra
2019	Shri R. Ravi
2020	Shri Sumant R. Shah
2021	Shri P. K. Das
2022	Dr. Hasan Shaikh
2023	Shri Ranajoy Banerjee

Sir L. P. Misra Memorial Lecture / Keith Hartley Memorial Lecture

Sponsored by
Ador Welding India Ltd., Mumbai

These memorial lectures are delivered every year alternatively (either Sir L. P. Misra Memorial Lecture or Keith Hartley Memorial Lecture) since 1974 during the National Welding Seminar or International Congress of the Institute. The award is being given to an eminent and distinguished professional who has made outstanding contributions in the field of welding in India.



Sir L. P. Misra, a Director of Hindusthan Motors Ltd., was a notable personality in the field of heavy engineering industries in India.

Sir L. P. Misra was a Chief Engineer with The Indian Railways. After his retirement he joined Hindusthan Motors Ltd. as a Director and held the post till his death in 1964. He was an eminent engineer who had a special interest in the field of welding. He was the first Chairman of the Indian Chapter of the Institute of Welding, London. He was one of the chief architects in forming The Indian Institute of Welding. Under his Chairmanship on 5th May 1960, a committee was formed to initiate action for establishing The Indian Institute of Welding. The Council of the Institute of Welding, London at the same time was sympathetic with the aims and objectives of their Indian Chapter, and actually encouraged members to form an Indian Institute. Sir L. P. Misra facilitated the process by agreeing to transfer the entire assets of their Indian Chapter to the new Institute. An application was therefore made to the Government of India in this respect and on 22nd April 1966, The Indian Institute of Welding was formed. Unfortunately, due to his sad demise in 1964, Sir L. P. Misra could not see the formation of the new Institute, which was his dream.

In 1974, IIW-India instituted Sir L. P. Misra Memorial Award Lecture in his honour, to be delivered by an eminent personality in the field of welding. The Late Dr. M. N. Dastur was the first recipient of this award.



Shri Keith Hartley, Managing Director of Indian Oxygen Ltd., played a significant role in the formation of The Indian Institute of Welding and also in the promotion and development of welding in India.

Shri Hartley was a founder member of The Indian Institute of Welding, which was established in 1966. He was elected President of the Institute for the year 1967/68 and the two following years. This was a vital period in the young Institute's growth and under his able leadership the Institute gained national and international recognition. The Institute was also elected a member of the International Institute of Welding.

Shri Hartley headed the Indian Delegation to the 23rd Annual Assembly of the International Institute of Welding held in July 1970 at Lausanne, Switzerland. As a Past President and a Member of the Council, Shri Hartley was closely associated with the affairs of the Institute and took very keen interest in its growth and extended generous support – moral and material.

Since 1949, he served Indian Oxygen Limited in various capacities; in 1961, he was appointed Chief Executive-Sales and in 1963 joined the Board of the Company as Assistant Managing Director. In 1971, he was appointed the Managing Director of the Company. Since April 1974 till his death, he was concurrently the Chairman and Managing Director of the Company.

Apart from serving Indian Oxygen, he took keen interest in the development of industry in general and served several organisations. He was the Chairman of the Eastern Regional Committee of the Indian Engineering Association, which became the Association of Indian Engineering Industry and finally CII. At the time of his death, he was the Vice President of Bengal Chamber of Commerce and Industry.

He died after a short illness in Calcutta, now Kolkata, on 20th November 1975.

❖ **Criteria**

The criteria for nomination of Speakers for Sir. L. P. Misra Memorial Lecture & Keith Hartley Memorial Lecture are given below:

1. The person must be a member of the Institute.
2. The person must be an eminent personality and well known in the Welding field.
3. The person must have wide experience and knowledge in the field of Welding Technology.
4. The person must have made significant contribution in the field of Welding Technology.

❖ **Evaluation Procedure**

1. All the branches will forward nomination for this lecture with a biodata of the person they proposed.
2. A six-member panel comprising of President, four Vice Presidents and the Hony. Secretary General will evaluate the proposal received in this regard from different branches and select the most suitable candidate for the same and put up for approval to the Central Council.

AWARD

The Winner of this award will receive a Silver Medal and a Scroll

Prof. Placid Rodriguez Memorial Lecture

**Sponsored by
IIW-INDIA Chennai Branch**

The Placid Rodriguez memorial lecture was instituted in 2008 by IIW-India Chennai Branch for welding engineers / scientists within 45-years of age, and who have contributed significantly in the field of welding science and technology in India and given every year during the National Welding Seminar or International Congress of the Institute.



Prof. Placid Rodriguez, Ex-President, IIW-INDIA (1993-95) was an eminent scientist known all over the world.

After a B.Sc. degree from Kerala University, he did his B.E (Metallurgy) at the Indian Institute of Science, Bangalore. He joined the Department of Atomic Energy through its Training School and worked at Bhabha Atomic Research Centre at Bombay (now Mumbai) from 1961 till 1974. He was deputed to Oak Ridge National Laboratory, USA during 1963 to 1965 for specialized training; during this period, he obtained his M.S. in Metallurgical Engineering from University of Tennessee. He was awarded the Ph.D. degree of the Indian Institute of Science in 1976.

As the Director of Indira Gandhi Centre for Atomic Research (IGCAR) during 1992-2000, with the overall responsibility for the management of the Indian Fast Reactor programme, using the Fast Breeder Test Reactor at IGCAR as a test bed, he paved the way for the present Indian maturity in Fast Breeder Reactor technology.

Since welding is the most important fabrication process in the construction of Fast Breeder Reactors, Prof. Rodriguez placed special emphasis on metal fabrication and welding in the programme at IGCAR. After his retirement from DAE, he joined DRDO on November 1, 2000 as Chairman of its Recruitment and Assessment Centre, New Delhi.

Prof. Rodriguez had been closely associated with The Indian Institute of Welding for many decades and was a member of the Executive Committee of the Madras (now Chennai) Branch and rose to become its Vice-Chairman (1986-90). He took up responsibility at the national level as Chairman of the Commission V for testing measurement and control of welds during the period 1977-84. He was Vice President and the Chairman of the Technical Committee of the Institute (1991-92) during which period reports from India were submitted for the first time to the Commissions of the International Institute of Welding. He served the Institute with great distinction as its President during 1993 to 1995.

In recognition of his yeoman and sustained contributions to Welding Research, Welding Profession and to the Institute, The Indian Institute of Welding conferred its Lifetime Achievement Award 2006 on Prof. Placid Rodriguez.

He passed away suddenly due to cardiac failure on 31st August 2008.

❖ **Criteria**

1. The person must be within 45-years of age at the time of nomination.
2. The person must have significant contribution in the field of welding science and technology in India.
3. The person should be working in India at the time of the award.
4. The person's contribution should have made a significant impact on welding science and technology in India.

❖ **Evaluation Procedure**

1. Nominations are invited from individuals with recommendations from
 - a. IIW-India National Council members
 - b. IIW-India Branch Managing Committee members
 - c. Section Head / Division Head / Head of the Institution at which the candidate is working.
2. The technical committee or a subcommittee formulated by it, will evaluate the nominations for the award.
3. The evaluation committee shall be entitled to seek opinion from experts, if required.
4. The nomination should highlight one or two of the most significant contributions of the candidate.
5. The technical committee's recommendation will be forwarded to the council for approval.
6. Membership of The Indian Institute of Welding is not a necessary criterion to apply for the award. However, the awardee must be a Member of the Institute after the announcement of the Award.
7. In case no suitable candidate is found in a particular year, the award need not be given on that year.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Minati Bhattacharjee Memorial Award for the Best Performing Branch

Sponsored by
Late Shri R. R. Bhattacharjee, Kolkata

This Award was instituted by Late Shri R. R. Bhattacharjee, a Life Fellow of the Institute, in 1995, in memory of his beloved wife Late Minati Bhattacharjee and given during the National Welding Seminar or International Congress of the Institute.

Shri R. R. Bhattacharjee, Ex-Chairman, Membership Sub-Committee, in his efforts to further membership development, suggested that if members sponsoring new member(s) for IIW-India Membership, are adequately recognised, it might have a beneficial effect on membership growth. This suggestion was based on his experience with certain international organisations he was associated with. Shri R. R. Bhattacharjee volunteered to be the donor of this award in memory of his wife and all the council members approved this proposal. It was decided to name the award as 'Minati Bhattacharjee Memorial Award for Excellence' and was awarded each year to the member who sponsors the maximum number of new members in that financial year.

Effective 2009, the Council has decided that this award will be given to the Best Performing Branch every year, subject to the consent of Shri R. R. Bhattacharjee, and he readily accepted the decision.

❖ Criteria & Weightage

1. Maximum membership registered by a Branch. Weightage: 50%
2. Conducting Branch Seminar, National Seminar (NWM / NWS) or International Congress. Weightage: 10%
3. Conducting AGM within the stipulated period. Weightage: 10%
4. Conducting National Welding Competitions. Weightage: 10%
5. Conducting Workshops / Webinars / Lectures with physical presence. Weightage: 10%
6. Regularity of Branch Reports. Weightage: 10%

❖ Calculations

1. For Criteria 1: 50% for new members 100 and above, 40% for 75 to 99 members, 30% for 50 to 74 members, 20% for 25 to 49 members and 10% for new members up to 24.
Notes: a) Introducing 1 ICM will be considered equivalent to 5 members.
b) Calculation of new members will be on the basis of members introduced minus dormant members of the Branch for the year under consideration.
2. For Criteria 2: Conducting Branch Seminar / National Seminar / International Congress between April to March 10% (for 1 or more), if not 0%.
3. For Criteria 3: 10% for conducting AGM within May 31, 5% for conducting AGM between 1st June to 31st July and 0% thereafter. Report of AGM must be produced.
4. For Category 4: 10% for conducting Branch level Welding Skill Competitions (for general as well as for women) with 30 and above competitors and 5% for competitors up to 29.
5. Criteria 5: 10% for conducting 10 or more Workshops / Webinars / Lectures with physical presence, 5% for conducting up to 9 programmes.
6. Criteria 6: 2% each for 4 quarterly Reports (to be verified through IWJ) and 2% for Report on Branch Seminar / National Seminar / International Congress.

G. P. Committee, with the help of HO Secretariat, will evaluate the criteria and on the basis of the same, will recommend the name of the winner to the Council for approval.

AWARD

The Winner of this award will receive a Trophy and a cash prize of Rs.10,000/-



**AWARD FOR THE BEST PAPERS
PRESENTED DURING THE NATIONAL
WELDING SEMINAR (NWS) OR
INTERNATIONAL CONGRESS (IC)
IN DIFFERENT CATEGORIES**



ESAB India Award

Sponsored by
ESAB India Limited, Chennai

Instituted from 2009, this award is being given to the Best Technical Paper among all categories, presented during the National Welding Seminar or International Congress every year, for a work done in India.

❖ Evaluation Procedure

For choosing this paper, the best papers in various categories would be reviewed again by a separate panel constituted by the Technical Committee. The paper, which is adjudged as best overall, would be selected for this award.

Consequently, the next best paper in the category from which the ESAB award is selected will receive that category award.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.30,000/-

I. T. Mirchandani Memorial Research Award

**Sponsored by
ADOR Welding Limited, Mumbai**

This award is being given to the Best Research Paper on Welding Metallurgy, Modelling, and Extensive Testing, presented during the National Welding Seminar or International Congress of the Institute every year.



Shri I. T. Mirchandani, a past President of the Institute, Chairman and Managing Director of Advani-Oerlikon Ltd. and Managing Director of Semiconductors Ltd.

After securing B.E. in Electrical and Mechanical Engineering from Poona Engineering College, Shri Mirchandani proceeded to USA and took M.S. in Electronics Engineering from the Polytechnic Institute of Brooklyn, New York. He returned to India in 1953 and took charge of the electrode plant of Advani-Oerlikon at Bhandup in Bombay (now Mumbai).

Under his inspiring leadership, Advani-Oerlikon grew into an extensive countrywide organisation, producing and marketing wide range of welding equipment and consumables. He also founded Semiconductors Ltd. at Pune. During his tenure, the company diversified into various fields including electronics, reprography, management consultancy, computer services, and travel & tourism. He also guided the setting up of a Welding Technology Centre at Mumbai, two Divisional R&D Centres and one corporate R&D Centre at Pune.

Shri Mirchandani was the President of The Indian Institute of Welding during the years 1975-1977. He was Vice President of the International Institute of Welding for four years until 1980. He attended several Annual Assemblies of this International body and also two Annual Welding Meets of the American Welding Society. He was of the firm opinion that research and development is the root of industrial progress, and this prompted him to institute the Advani-Oerlikon Research Award in The Indian Institute of Welding.

He passed away on Friday, the 30th of July 1982 at Breach Candy Hospital, Mumbai, at the age of 56.

❖ General Information

- 1) The Award will be presented for the best research paper presented during the annual event of the Institute
- 2) At least 50% of the work should not have been reported anywhere else before.
- 3) Clear definition of the proposed work.
- 4) Purpose objectives of the work and its industrial and / or academic importance of work.
- 5) Expected benefits - qualitative or quantitative.
- 6) Originality of approach / planning of work.
- 7) Literature survey, quality of analysis done, nature and relevance of information collected.
- 8) Innovation or ingenuity in setting up of facilities for carrying out the proposed work.
- 9) Method of experimentation / investigation carried out - data collection and analysis.

- 10) Accuracy of the results and how logical are the conclusions -its relevance to the objectives specified by the author.
- 11) The evaluation of all the eligible Research Category papers will be carried out independently by 3 peer-reviewers based on the Evaluation Criteria framed.

❖ Evaluation Criteria

WHY:

- Definition of the work – its objective, scope and need.
- Is the purpose well defined?
- Is the work original?
- Is the industrial and / or academic significance of the work outlined?
- Are the expected benefits -qualitative or quantitative -described?

HOW:

- Originality of concept and approach in investigating the problem – how scientific and systematic is the approach?
- Literature survey – quality of survey done.
- Is the nature of information collected sufficient and relevant?
- Comparison between the present and published data – any important observations made from the comparison?
- Innovation or ingenuity in setting up of experimental facilities for carrying out investigations - any important additional information generated from this innovative method which otherwise would not have been possible?
- Appropriateness of the experimental / analytical methods employed; accuracy of the results obtained; any better experimental method available?

WHAT:

- Data interpretation and analysis - is the method of data analysis the most appropriate?
- How logical are the conclusions? Their relevance to the objectives specified by the author(s).
- Other findings, if any, of importance other than what was specified, as a by-product during the course of investigations.
- Overall style and effectiveness in paper writing.

❖ Evaluation Procedure

WEIGHTAGE: WHY - 30%, HOW - 30%, WHAT - 40%

- Technical Committee segregate the papers into three categories: Research, Fabrication and Repair.
- Each paper is evaluated by three separate judges (Professors, Researchers, Welding engineers from various fabrication industries, consultants, consumable manufacturers etc.) for each category.
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.30,000/-

H. D. Govindraj Memorial Research Award

Sponsored by
Weldcraft Private Limited, Bangalore

This award is being given to the Second-Best Research Paper in Welding Metallurgy, Modelling, and Extensive Testing, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ Evaluation Criteria

WHY:

- Definition of the work – its objective, scope and need.
- Is the purpose well defined?
- Is the work original?
- Is the industrial and / or academic significance of the work outlined?
- Are the expected benefits – qualitative or quantitative – described?

HOW:

- Originality of concept and approach in investigating the problem – how scientific and systematic is the approach?
- Literature survey – quality of survey done.
- Is the nature of information collected sufficient and relevant?
- Comparison between the present and published data – any important observations made from the comparison?
- Innovation or ingenuity in setting up of experimental facilities for carrying out investigations – any important additional information generated from this innovative method which otherwise would not have been possible?
- Appropriateness of the experimental / analytical methods employed; accuracy of the results obtained; any better experimental methods available?

WHAT:

- Data interpretation and analysis – is the method of data analysis the most appropriate?
- How logical are the conclusions? Their relevance to the objectives specified by the author(s).
- Other findings, if any, of importance other than what was specified, as a by-product during the course of investigations.
- Overall style and effectiveness in paper writing.

❖ Evaluation Procedure

WEIGHTAGE: WHY - 30%, HOW - 30%, WHAT - 40%

- Technical Committee segregate the papers into three categories: Research, Fabrication and Repair.
- Each paper is evaluated by three separate judges (Professors, Researchers, Welding Engineers from various fabrication industries, consultants, consumable manufacturers etc.) for each category.
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Bimal Kumar Das Memorial Award

Sponsored by
Nextgen Plasma Pvt. Ltd., Kolkata

This award is given to the Best Paper on Skill Development or Training in Welding during the National Welding Seminar / International Congress / Conference of the Institute every year.



Shri Bimal Kumar Das, served many important positions of the Institute as Chairman-Finance Committee, Chairman-General Purposes Committee, Chairman-Executive Committee of ANB-India etc., and was also a guide for IIW-India Kolkata Branch. He was also a Chartered Engineer from the Institute of Engineers (India).

Shri Bimal Kumar Das, a dedicated wholehearted IIW-India person, was a Mechanical Engineer from Jadavpur University, Kolkata, of 1976 batch. He started his career in M/s. Westinghouse Saxby Farmer Ltd., Kolkata, and served various organisations in various positions till 1993. From 1994 onwards, he started his own Consultancy and Construction Firm on Structural Engineering and Design. Till his demise, he has attended several Annual Assemblies of the International Institute of Welding, representing India. This award is dedicated in his memory and instituted from 2021.

❖ Evaluation Criteria

WHY:

- Purpose/ objectives and its Industrial importance.
- Benefit visualized through improvement in Welding environment and of associated welding personnel.
- Clearly defined planning and scope of work.

HOW:

- Originality of approach/ novelty of design for Skill Development and Training
- Innovative and analytical methods employed.
- Methods of assessment of results of investigation.
- Methods of assessing impact/ improvement on industry and workforce.

WHAT:

- Results in terms of cost savings and functional efficiency, with reference to the objectives specified.
- Other findings, if any, of importance, besides what was specified.
- Overall writings style and effectiveness in communication.

❖ Evaluation Procedure

WEIGHTAGE: WHY - 20%, HOW - 40%, WHAT - 40%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding Engineers from various fabrication industries, consultants, manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to judge's average and global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Panthaki Memorial Award

Sponsored by
Bakshi Chempharma Equipments Pvt. Ltd., Mumbai

This award is being given to the Best Paper in Welding of Non-ferrous metals, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

WHY:

- Purpose / Objective of the fabrication / repair and its industrial importance.
- Benefits visualised through lower cost and higher functional efficiency.
- Clearly defined planning and scope of work.

HOW:

- Originality of approach / novelty of design.
- Ingenuity in the use of materials and adoption of welding processes.
- Innovation or ingenuity in setting up work, adopting procedures for higher productivity / quality.
- Method of fabrication / repair / execution of project – how technically correct and systematic is it?
- Final inspection / test data and performance analysis.

WHAT:

- Accuracy of the results in terms of cost savings, functional efficiency, with reference to the objectives specified by the author.
- Other findings, if any, of importance besides what was specified, as a by-product during the course of the work.
- Overall writing style and effectiveness in communication.

❖ **Evaluation Procedure**

WEIGHTAGE: WHY - 20%, HOW - 40%, WHAT - 40%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding engineers from various fabrication industries, consultants, consumable manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Sharp Tools Awards

Sponsored by
Sharp Tools Limited, Chennai

Instituted from 2010, the award is being given to the Best Paper in Welding Fabrication and Practices, specifically in welded fabrication, quality assurance, testing and inspection of components, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

WHY:

- Purpose / objective of the fabrication / repair and its industrial importance.
- Benefits visualised through lower costs and higher functional efficiency.
- Clearly defined planning and scope of work.

HOW:

- Originality of approach / novelty of design.
- Ingenuity in the use of materials and adoption of welding processes.
- Innovation or ingenuity in setting up work, adopting procedures for higher productivity / quality.
- Method of fabrication / repair / execution of project – how correct and systematic is it?
- Final inspection / test data and performance analysis.

WHAT:

- Accuracy of the results in terms of cost savings, functional efficiency, with reference to the objectives specified by the author.
- Other findings, if any, of importance besides what was specified, as a by-product during the course of the work.
- Overall writing style and effectiveness in communication.

❖ **Evaluation Procedure**

WEIGHTAGE: WHY - 20%, HOW - 40%, WHAT - 40%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding engineers from various fabrication industries, consultants, consumable manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

EWAC Alloys Award

Sponsored by
EWAC Alloys Limited, Mumbai

This award is being given to the Best Paper in Reclamation and Repair Welding, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

WHY:

- Purpose / objective of the fabrication / repair / quality assurance procedure and its industrial importance.
- Benefits visualised through lower costs and higher functional efficiency.
- Clearly defined planning and scope of work.

HOW:

- Adequacy of the NDT techniques adopted / effectiveness of QA procedures.
- Stringency of the quality requirements.
- Innovation or ingenuity in setting up work, adoption of the most cost-effective inspection procedure for the job.
- Procedures for higher productivity.
- Maintenance of inspection records and data management.

WHAT:

- Accuracy of the results in terms of cost savings, functional efficiency, with reference to the objectives specified by the author.
- Other findings, if any, of importance besides what was specified, as a by-product during the course of the work.
- Overall writing style and effectiveness in communication.

❖ **Evaluation Procedure**

WEIGHTAGE: WHY - 10%, HOW - 40%, WHAT - 50%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding engineers from various fabrication industries, consultants, consumable manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Weldman Award

Sponsored by
Weldman Synergic Pvt. Ltd., Kolkata

Instituted from 2009, this award is being given to the Best Paper in any one of the following three areas of welding, presented during the National Welding Seminar or International Congress of the Institute every year:

1. Automation or process development
2. Productivity improvement
3. Indigenous development of power sources

❖ **Evaluation Criteria**

The development presented would be evaluated with respect to productivity improvement, automation, import substitution, cost reduction, reduction in power consumption, ease of operation, improvement in quality, potential application etc.

❖ **Evaluation Procedure**

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding engineers from various fabrication industries, consultants, entrepreneurs etc.) for each category.
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-

Venus Wires Award

Sponsored by
Venus Wire Industries Pvt. Ltd., Mumbai

Instituted from 2009, this award is being given to the best paper on Stainless Steel Applications like Stainless Steel R&D, Fabrication Techniques, Consumable Development for MMAW / GMAW / FCAW processes, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

WHY:

- Purpose / objective of the fabrication / repair / development and its industrial importance.
- Benefits visualised through lower costs and higher functional efficiency.
- Clearly defined planning and scope of work.

HOW:

- Originality of approach / novelty of design – ingenuity in the use of materials and adoption of welding processes.
- Innovation or ingenuity in setting up work, adopting procedures for higher productivity / quality.
- Method of fabrication / repair / execution of project – how correct and systematic is it?
- Final inspection / test data and performance analysis

WHAT:

- Accuracy of the results in terms of cost savings, functional efficiency, with reference to the objectives specified by the author.
- Other findings, if any, of importance besides what was specified, as a by-product during the course of the work.
- Overall writing style and effectiveness in communication.

❖ **Evaluation Procedure**

WEIGHTAGE: WHY - 20%, HOW - 40%, WHAT - 40%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding Engineers from various fabrication industries, consultants, consumable manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to Judge's average and the global average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of the award will receive a Certificate and a cash prize of Rs.10,000/-

ISWP Award
Sponsored by
The Indian Steel and Wire Products Limited, Jamshedpur

This award is being given to the Best Paper on Health and Safety in Welding, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

WHY:

- Purpose / objectives of the study / Investigation and its Industrial importance.
- Benefit visualized through improvement in Welding environment of Fabrication / Construction shops / sites, and health and safety of welding personnel and associated Workmen.
- Clearly defined planning and scope of work.

HOW:

- Originality of approach / novelty of design for investigating and evaluation of health and safety hazards.
- Innovation in setting up equipments for investigation and appropriateness of the experimental / analytical methods employed.
- Methods of assessment of results of investigation.
- Methods of assessing impact / improvement on health of Workmen.

WHAT:

- Accuracy of the results in terms of cost savings, functional efficiency, with reference to the objectives specified by the author.
- Other findings, if any, of importance besides what was specified, as a by-product during the course of the work.
- Overall writings style and effectiveness in communication.

❖ **Evaluation Procedure**

WEIGHTAGE: WHY - 20%, HOW - 40%, WHAT - 40%

- Each paper is evaluated by three separate judges (Professors, Researchers, Welding Engineers from various fabrication industries, consultants, consumable manufacturers etc.).
- Copies of the papers are sent to the judges.
- Their evaluation is compiled and calculated with respect to judge's average and global average.
- Care is taken to avoid conflict of interest, if any.

AWARD
The Winner of the award will receive a Certificate and a cash prize of Rs.10,000/-

D & H Secheron Award
Sponsored by
D&H Secheron Electrodes Pvt. Ltd., Indore

This award is being given to the paper, which has been adjudged as the Best Presented Paper of the Seminar / Congress, presented during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

Paper is evaluated for the technical content, clarity of the presentation, quality of the slides, adherence to the time and responses of the speaker during the discussion and question answer session.

❖ **Evaluation Procedure**

- Chairman of the session, two senior members of the audience in the session evaluates the paper.
- Technical committee of National Welding Seminar / International Congress takes the responsibility of identifying the judges.
- Results are calculated based on judge's average and session average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.10,000/-



**AWARD FOR THE PAPERS PRESENTED DURING
THE NATIONAL WELDING MEET (NWM)**



John Abraham Muliyl Memorial Lecture

Sponsored by

Family Members of Late J. A. Muliyl, Mangalore & Late S. V. Sambamurti, Bangalore

S. V. Sambamurti Memorial Lecture

Sponsored by

Shri R. Srinivasan, President (2014-2017), IIW-India

These memorial lectures are delivered every year alternatively (either John Abraham Muliyl Memorial Lecture or S. V. Sambamurti Memorial Lecture) since 2022 & 2025 respectively during the National Welding Meet of the Institute to stimulate the engineers interested in welding and allied processes. These awards are given to a young professional below 35-years of age, who has presented his paper during the National Welding Meet of the Institute on welding technology or a related subject. His/her work (theses, research reports, state-of-the-art surveys) must be authored by one person only and based on recent work carried out in an industry.



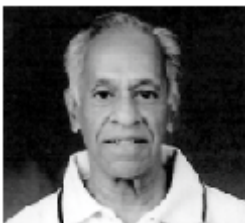
Shri John Abraham Muliyl, President (1978-80), IIW-INDIA was an architect in welding technology in Indian industry since independence

Shri Muliyl's entry into the field of welding was in 1947 when, after his graduation and a short stint in the Indian army, he joined Indian Oxygen Ltd., the pioneers in welding in India. After intensive training in the art and science of welding, he was part of a team entrusted with the task of helping the fabrication and engineering industry in India to tackle problems in their welding and allied operations. He held many important management positions in Indian Oxygen Ltd until his retirement in 1984. For formulating welding standards and specifications, he has worked for many years in panels and committees of Indian Standards Institution, presently known as Bureau of Indian Standards.

He was a Founder-Member of The Indian Institute of Welding and worked in various capacities for the development of the Institute. He was the Chairman, G.P. Committee and Vice President, before taking over as the President of the Institute during 1978-80.

He passed away in Mangalore, Karnataka on 1st October 2008 at the age of 84.

In memory of the Late John A. Muliyl's enormous contribution for the development of welding science and technology in Indian industry, Members of his family, and his longtime friend and colleague in Indian Oxygen Ltd. Shri S. V. Sambamurti, President (1984-86), IIW-India have instituted this award from 2022.



Shri S. V. Sambamurti, President (1984-86), IIW-INDIA was an architect in welding technology in Indian industry since independence and also founder Editor of the Indian Welding Journal

Professionally, Shri Sambamurti was a key person of the core team in Indian Oxygen Ltd., Kolkata that played a pioneering role in formation of the institute, and also was the key person in launching the publication of the Indian Welding Journal in April 1968. It was him again, who has inaugurated

the “IIW-INDIA HOUSE” at Kolkata, the new Head quarter of IIW-India in 2013. He held many important management positions in Indian Oxygen Ltd until his retirement in 1986. For formulating welding standards and specifications, he has worked for many years in panels and committees of Indian Standards Institution, presently known as Bureau of Indian Standards.

He served as the President of the Institute during 1984-86, apart from serving the other responsibilities in various capacities. He was the recipient of Keith Hartley Memorial Lecture Award in 1982, IIW-India Lifetime Achievement Award in 2005, Golden Jubilee Welding Ratna Award in 2016 and of IIW-India Excellence Award in 2020.

He passed away in Bangalore, Karnataka on 6th September 2023 at the age of 97.

In memory of Shri S. V. Sambamurti's enormous contribution for the development of welding science and technology in Indian industry, IIW-India Management have instituted this award from 2023-24.

Both the above Memorial Lectures will be awarded in alternate years during the National Welding Seminar / International Congress / Conference of the Institute.

❖ **Criteria**

- The person must be within 35-years of age at the time of nomination.
- The person must have clear and distinct understanding of the knowledge in welding.
- The person must have leadership qualities (both in workplace and in the community) in the field of welding science and technology.
- The person must have a clear projection on the future development of his knowledge.

❖ **Evaluation Procedure**

- Nominations are invited from individuals with recommendations from
 - IIW-India Branch Managing Committee members
 - Section Head / Division Head / Head of the Institution at which the candidate is studying / working.
- The Chairman, Technical Committee along with the Chairman, Young Professional & Student Activity, will evaluate the nominations for award.
- The evaluation committee shall be entitled to seek opinion from experts, if required.
- The nomination should highlight one or two of the most significant contributions of the candidate.
- The Joint Committee's recommendation will be forwarded to the Council for approval.
- Membership of The Indian Institute of Welding is not a necessary criterion to apply for the award. However, the awardee must be a Member of the Institute after the announcement of the Award.
- In case no suitable candidate is found in a particular year, the award need not be given on that year.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs. 10,000/-

AWPM Award
Sponsored by
Association of Welding Products Manufacturers, Mumbai

This award is being given to the paper, which has been adjudged as the Best Presented Paper during the National Welding Meet of the Institute and will be handed over to the recipient during the National Welding Seminar or International Congress of the Institute every year.

❖ **Evaluation Criteria**

Paper is evaluated for the technical content, clarity of the presentation, quality of the slides, adherence to the time and response of the speaker during discussion.

❖ **Evaluation Procedure**

- Chairman of the session, two senior members of the audience in the session evaluates the paper.
- Technical committee of National Welding Meet takes the responsibility of identifying the judges.
- Results are calculated based on judge's average and session average.
- Care is taken to avoid conflict of interest, if any.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs. 10,000/-



AWARD FOR THE BEST THESIS



Weldwell Speciality Award for the Best PhD Thesis

**Sponsored by
Weldwell Speciality Pvt. Ltd., Mumbai**

Instituted from 2010, this award is being given during the National Welding Seminar or International Congress of the Institute every year for the Best thesis in the field of Welding. The thesis must be submitted for the award of PhD in any of the Indian Universities, Indian Institute of Science, National Institutes of Technology or any other Institute approved under UGC.

❖ Evaluation Criteria

Candidates who have obtained their provisional certificate after clearing their thesis defence (viva voce) within one year until the nomination, are eligible for the award. Those who have submitted their thesis as specified but could not complete the defence or viva can apply for the award next year, provided they complete the defence or viva at the time of application.

❖ Evaluation Procedure

- The Indian Institute of welding will invite nominations for this award through its Branches or by other means. One Branch can nominate only one Candidate.
- A prescribed format will be available for sending the nomination. Guide(s) of the student and Head of the Institute / Department shall give an undertaking that this work is done under his / her guidance in the Department mentioned.
- Copy of the thesis, provisional certificate and copies of the papers from the thesis shall accompany the application. Research should have been conducted primarily in the field of welding science and technology.
- A panel of judges constituted by IIW-India Technical Committee would evaluate the thesis and choose the winner. Only original work carried out in one of the Indian Academic or Research Institutes would be considered for this award.

AWARD

**The Winner of this award will receive a cash prize of Rs.15,000/-
and both the Student (Winner) and Guide(s) will receive Certificates**

Weldwell Speciality Award for the Best M.Tech Thesis

**Sponsored by
Weldwell Speciality Pvt. Ltd., Mumbai**

This award is being given during the National Welding Seminar or International Congress of the Institute every year for the Best thesis in the field of Welding. The thesis must be submitted for the award of M.Tech degree in the previous academic year. This award was instituted initially from 2009 and later renamed from 2021 , because of change in sponsorship.

❖ Evaluation Criteria

Award is given to a student registered for M.Tech degree in one of the academic Institutions in India (IITs, IISc, NITs, Engineering Colleges, Universities etc.).

❖ Evaluation Procedure

- The Indian Institute of Welding will invite nominations for this award through its Branches or by other means, and the students shall apply in a format prepared by Technical Committee of IIW-India. One Branch can nominate only one Candidate.
- The nomination shall contain an undertaking from the Guide and Head of the Department of Institute stating that the work was carried out under his / her guidance in their Institute.
- Students who carry out projects outside India (even though he / she is registered in an Institute within the country) will not be considered.
- Student should have successfully completed the course for being considered for the award (Student should not have any back papers which he / she has to pass for obtaining the degree at the time of receiving the award).
- A panel of judges constituted by IIW-India Technical Committee would evaluate the thesis and choose the winner. Only original work carried out in one of the Indian Academic or Research Institutes would be considered for this award.

AWARD

**The Winner of this award will receive a cash prize of Rs.10,000/-
and both the Student (Winner) and Guide(s) will receive certificates**



**AWARD FOR THE NATIONAL
SKILL COMPETITIONS**



Awards on Young Engineers' Competition

Sponsored by

D&H Secheron Electrodes Pvt. Ltd., Indore

With the intention of motivating the young engineers who are engaged in the field of welding and related activities, the Institute since 2016 organising a Competition among Young Engineers in Welding Technology, Metallurgy, QA/QC, Surface Protection, Corrosion Control and related fields. Professionals from the Industry, Researchers, Academicians, Practicing Engineers, Educational Institutes, and Technology Centres etc. are eligible to participate. The Competition is hosted by IIW-India Cochin Branch and from 2018, this competition is being held under the aegis of IIW-India Foundation.

The competition will provide an excellent opportunity to young engineers to demonstrate their expertise and creative thinking, knowledge in technology, professional acumen and thereby winning recognition for expertise in their respective fields. The idea developed may be converted as a product or a service and applicable to the industry on a later date. The awards (Winner, First Runner-up & Second Runner-up) are given every year during the National Welding Seminar or International Congress of the Institute.

❖ Evaluation Criteria

- a) The age of the participants should not be more than 35-years as on that calendar year.
- b) Written presentation to carry 45% weightage of the total score.
- c) First level elimination of teams will be based on the written presentation.

❖ Evaluation Criteria (Total 200 points):

Written presentation

Presentation & Format of Report	Points30
Originality & Creative Thinking	Points30
Accuracy of Contents & Extend of Research	Points30

Oral presentation

Clarity & Substance of Presentation	Points30
Ability to communicate with and respond to Questions effectively from the Panel of Judges	Points30
Teamwork in Presentation	Points 30
Contribution to effective Technological Thinking & Performance	Points20
TOTAL	Points 200

❖ Evaluation Procedure

- The paper on the prescribed theme may be prepared and submitted by a team of up to three Young Engineers. But the oral presentation shall be made by any two of the team, leaving the third member as stand-by to cover any eventuality.
- Each competing team is expected to submit a written paper on the theme with a text of between 3,000 and 4,000 words. This length shall be exclusive of the exhibits, charts, etc., forming part of the paper as well as the summary. The presentation should be based on original research and analysis of data from pertinent sources both primary and secondary, including the team's own organisation, wherever applicable.
- The paper submitted will be evaluated by a panel of judges and, if qualified, the teams will be invited to make the presentation before a panel of judges, who will select the winners.
- Brochure will be issued separately with the details and publicised before the Competition.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.50,000/-

The First Runner-up will receive a Certificate and a cash prize of Rs.25,000/-

The Second Runner-up will receive a Certificate and a cash prize of Rs.10,000/-

Awards on National Best Welder Competition for Women

Sponsored by
voestalpine Bohler Welding India Pvt. Ltd., Mumbai

With the intention of motivating the Women Welders those who are passionate in their job, National Best Welder Competition for Women was instituted from 2018. This Competition is also encouraging the Girl Students from engineering colleges, ITIs etc. since there is no restriction for the Students to participate. From 2019, the Competition is being held in Branch levels with an intension to make the competition in a bigger way. The awards are given during the National Welding Seminar or International Congress of the Institute to the Winners and Runners-up of each category.

❖❖ Categories for Best Welders Competition for Women are:

- Best Structural Welder (SMAW) - 2F & 3G Positions (Carbon Steel)
- Best Structural Welder (GMAW) - 2F & 3G Positions (Carbon Steel)

❖ General Information & Guidelines:

- The preliminaries are conducted at all the Branches of IIW-India. The winners from Branch level competitions are eligible to take part in the National Final.
- The National Level Competition (Final) for the Best Women Welders is being held before the National Welding Seminar or International Congress (or as decided by the institute) at different venues.
- The industries may conduct the competition by themselves and may send the nominations (winners only) directly for final; however, assessment will be done by IIW-India.
- Brochure will be issued separately with the details and publicised before the Competition.

❖ Eligibility Criteria for Best of the Best Welders:

- Must be able to read and write in English and / or in any Indian Language.
- Must have minimum 1 year experience in practical welding.
- Must have basic theoretical knowledge of welding.
- Must have some knowledge of the Codes / Standards being followed in their workplace.
- Must be between 18 to 50 years of age (16 years and above for the students).

❖ Assessment Procedure:

- Total Marks: 100 (50 marks for Visual assessment of test coupons and 50 marks for Radiographic assessment).
- In case there is a tie in marks, completion time will be the factor for winning the competition. i.e., Welder, who have completed in lesser time, will be declared as the winner.
- Visual assessment for all the test coupons shall be done in accordance with ISO 5817.
- 2 assessors each for visual and radiographic assessments would be deputed.

AWARD

The Winners of each category will receive a Certificate and a cash prize of Rs.20,000/-
The Runners-up of each category will receive a Certificate and a cash prize of Rs.10,000/-

Awards on National Skill Competition for Best of the Best Welders

Sponsored by
voestalpine Bohler Welding India Pvt. Ltd., Mumbai

With the intention of motivating the Welders those who are passionate in their job, the institute since 2007 organising National Skill Competition on Welding every year. The Competition is renamed as 'National Skill Competition for Best of the Best Welders from 2019 with an intension to make the competition in a bigger way. The awards are given during the National Welding Seminar or International Congress of the Institute to the Winners and Runners-up of each category.

❖ Categories for Best of the Best Welders Competitions are:

- Best Structural Welder (SMAW) - 2F & 3G Positions (Carbon Steel)
- Best Structural Welder (GMAW) - 2F & 3G Positions (Carbon Steel)
- Best Pipe Welder (GTAW-root + SMAW-filling & capping) - 6G Position (Carbon Steel)
- Best Pipe Welder (GMAW) - 6G Position (Carbon Steel)
- Best Pipe Welder (GTAW) - 6G Position (Carbon Steel)

❖ General Information & Guidelines:

- The preliminaries are conducted at all the Branches of IIW-India. The winners from Branch level competitions are eligible to take part in the National Final.
- The National Level Competition (Final) for the Best of the Best Welders is being held before the National Welding Seminar or International Congress (or as decided by the institute) at different venues.
- The industries may conduct the competition by themselves and may send the nominations (winners only) directly for final; however, assessment will be done by IIW-India.
- The Winners will get chance to take part in the Arc Cup International Welding Skills Competition at China, subject to the discretion and T&C implemented by IIW-India from time to time.
- Brochure will be issued separately with the details and publicised before the Competition.

❖ Eligibility Criteria for Best of the Best Welders:

- Must be able to read and write in English and / or in any Indian Language.
- Must have minimum 2 years' experience in practical welding.
- Must have basic theoretical knowledge of welding.
- Must have some knowledge of the Codes / Standards being followed in their workplace.
- Must be between 18 to 50 years of age (16 years and above for the students).

❖ Assessment Procedure:

- Total Marks: 100 (50 marks for Visual assessment of test coupons and 50 marks for Radiographic assessment).
- In case there is a tie in the marks, completion time will be the factor for winning the competition. i.e., Welder, who have completed in lesser time, will be declared as the winner.
- Visual assessment for all the test coupons shall be done in accordance with ISO 5817.
- Radiography assessment (only for the visually qualified test coupons) shall be done in accordance with ASME SEC. IX Para 191.1.2.
- Final marks will be provided by adding both the marks of visual and radiographic assessments.
- 2 assessors each for visual and radiographic assessments would be deputed.

AWARD

The Winners of each category will receive a Certificate and a cash prize of Rs.20,000/-
The Runners-up of each category will receive a Certificate and a cash prize of Rs.10,000/-

Awards on National Best Welding Engineers' Competition

Sponsored by
voestalpine Bohler Welding India Pvt. Ltd., Mumbai

This award has been instituted since 2008 to encourage passionate Engineers of our country. The awards are given during the National Welding Seminar or International Congress of the Institute every year to the Winner and Runner-up. The prize money is enhanced from 2020 to make the competition in a bigger way.

❖ Eligibility Criteria for Best Welding Engineers:

- Knowledge of Welding Technology, Quality Assurance and safety in welded fabrication.
- The minimum qualifications for the candidates for the Best Welding Engineer are:
 - a. Engineering graduate with minimum 2 years' experience, or
 - b. Diploma holders with minimum 5 years' experience, or
 - c. Science graduate with minimum 10 years' experience.
- Must be capable of reading engineering drawings.
- Must have knowledge in Inspection, QA & QC, Costing & Safety in welding technology.

❖ Assessment Procedure:

- **Preliminary Screening**
 - a. National level online screening test will be conducted at the specified time limit.
 - b. Online screening will be conducted through the website www.iiwindia.in.
 - c. Top 10 candidates will be eligible for the final examination.
- **Final Examination**
 - a. Written Test will be done as instructed through the brochure.
 - b. To be conducted before the National Welding Seminar or International Congress.
 - c. Viva voce may be conducted at the discretion of IIW-India in case it is required.

❖ General Information:

- Brochure will be issued separately with the details and publicised before the Competition.
- The Winners will get chance to take part in the Arc Cup International Welding Technology Competition at China, subject to the discretion and T&C implemented by IIW-India from time to time.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.20,000/-
The Runner-up will receive a Certificate and a cash prize of Rs.10,000/-

Awards on Aspirant Welding Engineers' Competition

Sponsored by
voestalpine Bohler Welding India Pvt. Ltd., Mumbai

To foster the ambition of an Aspirant Engineer of any stream to become a Welding Engineer, the Institute has initiated a Competition among the Students of the Educational Institute across India. This award is instituted from 2019 to motivate and encourage the budding Engineers towards the welding technology. The awards are given during the National Welding Seminar or International Congress of the Institute every year to the Winner and Runner-up.

Brochure will be issued separately with the details and publicised before the Competition.

❖ **Eligibility Criteria :**

- Students, those who are undergoing degree or diploma in any stream of engineering.
- Member of IIW-India Students' Chapter.

❖ **Assessment Procedure:**

● **Preliminary Screening**

- a. National level online screening test will be conducted at the specified time limit.
- b. Online screening will be conducted through the website www.iiwindia.in.
- c. Top 10 candidates will be eligible for the final examination.

● **Final Examination**

- a. Written Test will be done as instructed through the brochure.
- b. To be conducted before the National Welding Seminars or International Congress.
- c. Viva voce may be conducted at the discretion of IIW-India in case it is required.

AWARD

The Winner of this award will receive a Certificate and a cash prize of Rs.15,000/-
The Runner-up will receive a Certificate and a cash prize of Rs.10,000/-





IIW-INDIA AWARD FOR INSPIRATION



Parimal Biswas Memorial Award for Best Students' Chapter **Sponsored by** **Indaids International, Kochi**

To encourage and motivate the aspirant engineers to enrich their career in welding science and technology, Parimal Biswas Memorial Award for the Best Students' Chapter has been instituted from 2021. This award is given to the Best Students' Chapter of IIW-India, whose students are actively involved in various activities related to welding science and technology. The awards are given during the National Welding Seminar or International Congress of the Institute every year to the Winner and Runner-up.



Shri Parimal Biswas was the President of IIW-India (2019-2021), and was well known as the 'Live wire' of the Institute.

Shri Parimal Biswas was the President vis-à-vis Chairman, International Committee of The Indian Institute of Welding (IIW-India) since 21st of September 2019. He served as Hony. Secretary General of the Institute since 2002-03 till he became the President and has been actively involved with industry, government, education and research activities for over 40 years.

He has made significant contribution in attaining substantial growth of the institute through expansion of activities in several verticals, particularly in the field of Skill Development in Welding. He also took initiative in establishing ANB-India in 2007 and ANBCC-India in 2012. Late Shri Biswas also promoted the initiative in developing relationship with the SAARC countries around India. He has also supported the representations of IIW-India Officials at numerous Annual Assemblies and International Congresses of the International Institute of Welding (IIW), outside India. He has been the main driver in implementing key initiatives with International Institute of Welding.

He has been largely successful in establishing professionalism in the functioning of the institute and was truly the livewire of IIW-India. He is the recipient of various awards like 'Best Association Leadership (Industry) Award' in 2015 and 'Hall of Fame Award' in 2019 by the India Association Congress, 'IIW-India Golden Jubilee Welding Ratna Award' on the occasion of Golden Jubilee Celebrations in 2016, and the recipient of 'Regional Activities Award' of the International Institute of Welding in 2017 at China.

Apart from his responsibility as the President of IIW-India, Shri Parimal Biswas also served as a member of the Working Group-Regional Activities, IIW. He was also a Director of Indian Iron & Steel Sector Skill Council and associated with various other associations.

He passed away on 30th April 2021, at the age of 71 years.

To commemorate the involvement of Shri Parimal Biswas in encouraging the Engineering Institutes and its student activities in the welding field, The Indian Institute of Welding has instituted Best Students' Chapter Award to express the gratitude towards him. M/s. Indaids International, Kochi is the sponsor of this award, and it is instituted from 2021.

❖ Evaluation Criteria

The activities of the Students' Chapter will be considered from 1st October of any year to 30th September of the next year. Detailed breakup of the marking methodology is provided here below:

Sl. No.	Criteria	Marking System	Maximum Marks
1	Membership Number of Student Members in the Chapter as on 30th September	i) ≥ 20 to ≤ 25 = 5 marks ii) > 25 to ≤ 30 = 10 marks iii) > 30 to ≤ 40 = 15 marks iv) > 40 to ≤ 50 = 20 marks v) > 50 = 25 marks	25
2	Activities:		
	a) Expert Talks (online or physical presence)	i) ≥ 2 to ≤ 4 = 5 marks ii) > 4 = 10 marks	10
	b) Industry Visit	i) 1 visit = 5 marks ii) > 1 visit = 10 marks	10
	c) Quiz Competition	i) ≥ 1 Quiz Competition = 10 marks	10
	d) Seminar (online or physical presence)	i) Each half-day seminar = 5 marks ii) Full day seminar = 10 marks	10
	e) Workshop / Hands on Training	i) ≥ 1 Workshop / Hands on training = 10 marks	10
3	Participation	i) ≥ 1 Participation and presentations in Branch, National or Young Engineers' event = 10 marks ii) ≥ 1 Paper publication = 5 marks	15
4	Reporting to Mother Branch	i) Quarterly report (1 marks each) = 4 marks ii) Annual Report = 2 marks iii) Participation along with presentation to Branch AGM = 4 marks	10
TOTAL MARKS			100

The Young Professional & Student Activity Committee will evaluate the activities of IIW-India Students' Chapter based on above criteria of the Best Students' Chapter Award and will recommend the names of the Winner and Runner-up for the approval by IIW-India Council.

AWARD

**The Winner will receive a Certificate and a cash prize of Rs.20,000/-
The Runner-up will receive a Certificate and a cash prize of Rs.10,000/-**

Awards on National Competition for Welded Marvels - Project Trash to Treasure **Sponsored by** **ADOR Welding Ltd., Mumbai**

Recycling is one of the best ways to have a positive impact on the world in which we live. It is vital for our natural environmental health. Also, art is the most powerful tool of visual communication, it has power to hit viewers subconscious minds without hurting their ego. Through the National Competition for Welded Marvels - "Project Trash to Treasure", IIW-India aims to produce sculptures as social intervention in line with United Nations Sustainable Development Goals, to inspire awe and joy, to educate, and to alter attitudes of viewers. IIW-India, along with Association of Welding Products Manufacturers (AWPM) have jointly organized this competition which is ably supported by M/s. ADOR Welding Ltd., Mumbai. The Awards are given during the National Welding Seminar or International Congress of the Institute every year to the Winner and Runner-up.

This award is instituted in 2021 with the support from Association of Welding Products Manufacturers (AWPM). Brochure will be issued separately with the details and publicised before the Competition.

Modality

Organisations and individuals are invited to identify capable creative welders and encourage them to turn unused metal scrap into creative pieces of art.

The sculpture should be preferably created by using metal scrap and by using any of the welding processes.

- The competition is open for all participants who have innovative ideas for creating metal sculpture from waste.
- Creative teams from welders / fitters to be promoted and encouraged to use unused materials into creative pieces of art.
- The focus will be given on aesthetics of sculpture and not material used for it.
- There is no bar of age, education and gender to participate in the competition.

Criteria

Participants shall make one sculpture of reasonable size from waste by using any one of the welding processes they are familiar with and the theme of their choice. There will be no limitation to the shape and quantity of scrap used for creation of the sculpture.

Selection

A three members jury board will review the presentations submitted by the participants and will declare the result.

AWARD

The Winner will receive a Certificate and a cash prize of Rs.25,000/-
The Runner-up will receive a Certificate and a cash prize of Rs.15,000/-



THE INDIAN INSTITUTE OF WELDING