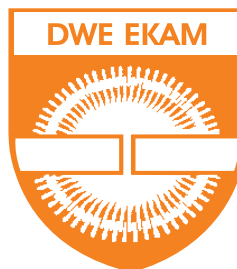


**NATIONAL WELD MEET  
( NWM 2010 )  
on  
RECENT ADVANCES IN WELDED FABRICATION**

**Friday, 6 August 2010  
at  
The Sunway GRT Grand  
Puducherry, India**

Organised by  
**The Indian Institute of Welding**



**Chennai Branch**

**The Indian Institute of Welding**  
"MAYUR APARTMENTS", Flat No. 4 B/ N,  
3A, Dr. U. N. Brahmachari Street, Kolkata - 700 017, INDIA  
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## The Indian Institute of Welding

The Indian Institute of Welding (IIW-India), a representative body of welding professionals in India was founded on 22nd of April 1966. It is involved in the advancement of welding science and technology within the country by disseminating development and knowledge in the field of welding and allied technology through seminars, workshops training programme etc., providing technical guidance and consultation to industries in welding, conducting associate membership examination and awarding diploma and certificates to members and publishing technical journals and periodicals in the field of welding. IIW-India has been recognized as an Authorised National Body (ANB) to carry out certification programmes of the International Institute of Welding. IIW-India also conducts its own welder certification programme. Directorate General of Employment & Training (DGE&T), Government of India, Ministry of Labour & Employment has empanelled IIW-India as an "Assessing Body" for MES courses under Skill Development Initiative (SDI) Scheme for all courses under Fabrication Sectors in all States and Union Territories in India.

The Chennai Branch of IIW-India was founded on 17th January, 1973. It regularly organises seminars, conferences, workshops and courses for the welding community in the region. It organizes tailor made courses for welding industry at various levels ranging from welder to welding engineer based on specific requirements of the industry. It assists and jointly conducts in-house welding training programmes in industrial establishments covering both theoretical and practical skills. Some popular courses conducted by the Chennai Branch in recent years included "Welding Metallurgy and Technology for Engineers", Fabrication of Welded Components", Non-Destructive Inspection and Quality Assurance", "Metallurgical Aspects Related to Welding" and "Weld Defect Inspection and Quality Assurance".

## The Theme

The theme for NWM 2010 is "**RECENT ADVANCES IN WELDED FABRICATION**". The structured liberalisation of the Indian economy, which has paved the way for globalisation of our industry, has had its impact on core sectors such as power, steel, oil, gas, petrochemical and transportation. Hence, there is an imperative need for the manufacturers to maximise their profits without compromising on quality and by lowering manufacturing time and costs. Since welding is the most widely used engineering manufacturing process, the welding industry is also poised for a vibrant change due to the need to introduce high productivity welding processes, cost effective designs and reliable quality control methods. Also, newer materials ranging from variations of existing metallic materials to ceramics and composites to nano-materials and others, which widely differ in their physical and mechanical properties, are being introduced for industrial use for extended life of the components. The welding of these materials poses technological challenges in welding fabrication, leading to development of superior welding processes and quality assurance criteria. Also, the need to sustain trained manpower has become a key factor to maintain the competitive edge. The objective of NWM 2010 is to provide a dynamic forum for professionals of Industries, Academia and Research institutes to share and enhance their knowledge base in Welding Science and Technology, and use the forum for fulfilling the missions of their organisations.

## The Topics

- Advances in Welding and Cutting Processes
- Welding Consumables and Procedures for Emerging Materials
- Welding Systems and Equipments, Robotics, CNC machines
- Surfacing and Wear
- Advances in Welding Fabrication Techniques and Productivity
- Automation in Welding
- Design and Manufacturing of Welded Components
- Welding Metallurgy and Weldability Analysis of Ferrous and Non-Ferrous Materials
- Mathematical Modelling and Simulation Related to Welding
- Mechanical and Corrosion Properties Evaluation of Weld
- Management of Residual Stresses and Distortion in Welded Joints
- Repair and Maintenance Welding and Residual Life Estimation
- Non-Destructive Evaluation, Quality Assurance and Weld Related Failure Analysis
- Cost and Economics of Welding
- Safety and Productivity in Welding
- Human Resources Development, training and education in Welding

## Invitation to Authors

Welding technologists, scientists and professionals who are interested in presenting their original work and experience as technical papers in NWM 2010 are requested to send their abstract(s) of the paper(s), in any one of the above theme topics. To ensure a wider participation, **POSTER** sessions will be held along with the **ORAL** presentations. Authors desirous of presenting their papers in the poster session may indicate their preference while submitting the abstract. **Best papers presented in each of the oral and poster sessions would receive awards.**

## Important Deadlines

**Receipt of Abstracts** : 15 June 2010  
**Acceptance of Abstracts** : 25 June 2010  
**Receipt of full manuscripts** : 15 July 2010

The abstracts and full texts of paper may be sent by email or by post to

**Dr. A. K. Bhaduri,**

Chairman, Technical Committee, NWM 2010

Head, Materials Technology Division

Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102

E-mail: bhaduri@igcar.gov.in

## Who Should Participate

Welding technologists, metallurgist, scientists, research scholars, faculty of educational institutions, and professionals in the areas of NDT, mechanical and corrosion testing, failure analysis, economics and safety, and all professionals related to welding and welded fabrication can participate in NWM 2010. Those desirous of participating in NWM 2010 are invited to do so at the earliest by sending in the filled registration form along with the delegate fees to



### Dr. Hasan Shaikh

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or

### Mr. T. V. Prabhu

Secretary, IIW-India, Chennai Branch  
Scientific Officer/E  
CFD, CG, IGCAR, Kalpakkam – 603 102  
Tel.: +91 44 27480500 ext. 240766(Direct)  
Email: prabs@igcar.gov.in

## Delegate Fees

Members of IIW	Rs. 2000/-
Delegates from ICMs of IIW	Rs. 1800/-
Non-members	Rs. 2500/-
Presenting Authors	Rs. 2000/-
Faculty of Educational Institutions	Rs. 2000/-
Students	Rs. 1500/-
Spouses	Rs. 1200/-

Payments can be made by DD / Cheque in favour of “**Indian Institute of Welding, Chennai**” payable at Chennai, India. (Please add Rs 100 for outstation cheques).

## Advertisements & Sponsorship

It is proposed to bring out a Souvenir on the occasion of NWM 2010. Advertisements are invited from prospective companies, business houses and others, for inclusion in the souvenir at the following rates:

Full Page Inside Front Cover (4 colours)	Rs. 25,000/-
Full Page Outside Back Cover (4 colours)	Rs. 30,000/-
Full Page Inside Back Cover (4 colours)	Rs. 25,000/-
Centre Spread (A3 size; 4 colours)	Rs. 40,000/-
Full Page Colour	Rs. 10,000/-
Full Page B&W	Rs. 8,000/-
Half Page B&W	Rs. 5,000/-

Material for advertisement should be supplied in a CD latest by 20 July 2010

Companies are invited to **sponsor** the following events at the National Welding Meet 2010 :

Type of Sponsorship	Amount (Rs)	Benefits
<b>Star Sponsorship</b>	2,00,000/-	<ul style="list-style-type: none"><li>■ 10 delegates free for NWM 2010</li><li>■ One full page Colour Advt. in the Souvenir</li><li>■ One display desk for products and leaflets</li><li>■ One banner at the Conference Venue</li></ul>
<b>Lunch Sponsorship</b>	1,50,000/-	<ul style="list-style-type: none"><li>■ 7 delegates free for NWM 2010</li><li>■ One full page Colour Advt. in the Souvenir</li><li>■ One banner at Lunch Venue</li></ul>
<b>Dinner Sponsorship</b>	1,50,000/-	<ul style="list-style-type: none"><li>■ 7 delegates free for NWM 2010</li><li>■ One full page Colour Advt. in the Souvenir</li><li>■ One banner at Dinner Venue</li></ul>
<b>Kitbag Sponsorship</b>	1,00,000/-	<ul style="list-style-type: none"><li>■ 5 delegates free for the NWM 2010</li><li>■ One full page B&amp;W Advt. in the Souvenir</li></ul>
<b>Display Desk</b>	25,000/-	<ul style="list-style-type: none"><li>■ 1 delegates free for the NWM 2010</li><li>■ One display desk for products and leaflets</li><li>■ One half page B&amp;W Ad in the Proceedings</li></ul>



## Registration

Registration of delegates will commence at 07:30 a.m. on 6th of August 2010.

## About the Venue

Puducherry was a French colony until 1954. Started as trade center, Puducherry is now a seaport, a seaside resort and a tourist attraction. The natives have embraced French, and French is still considered as the official language for administration. The French have definitely left a marked impression on the natives with the street signs carrying both French and Tamil names. The roads and streets are remarkable and clean with angular roads, Christian churches and public buildings, indications that are still truly French. Chunnambar Backwater is one of the major attractions of Puducherry, located at a distance of 7 km from Puducherry. The beach is perfect for a day out, swim, boat rides, volleyball by the beach, or to get in touch with the inner self. Auroville, the universal township was conceived with the idea that all men and women, irrespective of their religion or nationality, can live together and contribute to the progress of humanity through goodwill and aspiration for a better world. Aurobindo Ashram was founded in 1926 by Sri Aurobindo Ghosh. The Ashram community is a retreat for those in search of meaning in life. The teachings are based on yoga and meditation. The Puducherry Museum has exhibits of rare collections of bronze statues and stone sculptures from the Chola dynasty, and the artifacts excavated from the archeological site Arikamadu located 7 km from the city are on display here. These include Roman and Greek relics, stone statues remnants from the trade links between India and Roman empire etc.



Venue of the Meet: The Sunway GRT Grand

Puducherry is well connected by road. It is 151 km from Chennai and 320 kms from Bangalore. Driving down the scenic beachside by East Coast Road (ECR) from Chennai to Puducherry is a wonderful experience. The nearest railhead is Villupuram (36 kms from Puducherry). One can also take a train from Bangalore to Cuddalore and then reach Puducherry by road. The Sunway GRT Grand is offering special room rates for the delegates of the National Welding Meet 2010 as given below:

Superior Single	Rs. 2700/-	Superior Double	Rs. 3200/-
Executive	Rs. 3500/-	Suite Room	Rs. 6500/-

The check in and check out time is 12.00 Noon. The rate includes taxes and complimentary breakfast. Extra Person with bed would be INR 750.00 with Breakfast. For room booking, please contact: Mr. Hariprasad at [reservations@grtsunway.com](mailto:reservations@grtsunway.com) or write to -

The Sunway GRT Grand

155D, 100 Feet Road, Puducherry - 605004. India

Phone: +91 413 228 1608 Mobile: 91 9600234567 Fax: +91 413 228 1616

### The National Organising Committee

Chairman : Mr. R. Ravi

Secretary : Mr. Parimal Biswas

#### Members:

Mr. C. C. Girotra,	Mr. Ashit Shah
Mr. A. K. Mukherjee	Mr. Hiren Patel
Mr. P. K. Das	Mr. Debashish Thakur
Mr. R. Srinivasan	Mr. W. J. Fernando
Mr. M. D. Agrawal	Mr. T. V. Prabhu
Dr. A. K. Bhaduri	Mr. V. N. Girijavallabhan
Mr. A. K. Datta	Dr. C. K. Datta
Dr. Hasan Shaikh	Dr. M. Shome
Mr. N. K. Sarkar	Mr. Sujit Ganguli
Prof. S. K. Agrawal	Mr. Malay Choudhuri
Mr. T. A. Ramesh	Dr. Manish Samant
Mr. K. K. Kashyap	Mr. A. K. Joseph
Mr. B. K. Mishra	Mr. M. Kannappan
Mr. Ish Khanna	Mr. S. Chelliah
Mr. D. K. Sarma	Mr. M. Saibabu
Mr. Utpal Borah	Dr. S. K. Albert
Mr. M. P. Dhanuka	Mr. S. K. De
Mr. S. L. Trivedi	Mr. A. A. Deshpande
Mr. D. V. Kulkarni	Mr. B. K. Das
Mr. Aniruddha Ghosh	Mr. R. Sengupta
Mr. S. M. Bhat	Mr. Somnath Ghosh
Mr. V. R. Ramesh	Mr. Amitava Mukherjee

### Local Organising Committee

Chairman : Dr. Hasan Shaikh, Email: [hasan@igcar.gov.in](mailto:hasan@igcar.gov.in)

Convener : Mr. R. D. Pennathur, Email: [rdp@mailam.com](mailto:rdp@mailam.com)

Secretary : Mr. T. V. Prabhu, Email: [prabs@igcar.gov.in](mailto:prabs@igcar.gov.in)

#### Members:

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