

International Conference and Exhibition



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**“Steel, Industrial Materials
& Non-Metallics”**

**“Welding &
Fabrication Technology”**

On 1-2 February 2019 At Hotel Holiday Inn, Mayur Vihar, New Delhi

Organizer



Knowledge Partner



Media Partner



Hospitality Partner



Technical Conference and Exhibition on "Steel, Industrial Materials & Non-Metallic's (Materials)" and "Welding & Fabrication Technology (WeldFab)"

Date: 1-2 February 2019, Venue: Hotel Holiday Inn, Mayur Vihar, New Delhi

"Material, Welding & Fabrication" are the essential part of everyday life and their application is extensive in today's technological development. With the launch of the 'Make in India' initiative by the Government of India, to transform India into a global design and manufacturing hub, developments in the **Material development & production, Welding & fabrication Industry** is the need of the moment to make Indian products globally competitive. The conference will focus mainly on the application oriented topics related to the Heavy Industries like Oil & Gas Production facilities, Refineries & Petrochemicals, Pipeline, Power & Energy Sector, Automobiles, and Infrastructure etc.

Materials will try to cover various metallurgy & materials related topics like **Mineral Processing, Steel/ Iron Making, Steel Developments, Advanced materials, Ni-alloys, Cu-alloys, Al-alloys, Duplex material, CRA's, Plastic Materials, Composite, Material Selection, Physical & Mechanical Properties, Pipeline Material, Automobile Material, Heat Treatment, Metal Forming, Failure Analysis** etc.

Welding metallurgy is an important field because the welded material changes their micro-structure and properties due to heat cycle associated with welding. Qualified and competent welding engineers with multidisciplinary knowledge are essential for the success of the welding industry. Also, newer materials ranging from existing metallic materials to advanced materials, composites, nano-materials and others have started. Welding of these materials poses technological challenges in welding fabrication, leading to development of **superior welding processes** and **quality assurance** criteria. The **WeldFab** conference will provide a dynamic forum to share, enhance and utilize the knowledge base in **Welding, Fabrication and allied technologies** to fill up the gaps and attend the problems faced by the Industry.

The "**Materials & WeldFab**" conference are going to bring together experts from academia, industries, research & development organizations and professional societies for sharing of knowledge, expertise, new technologies/developments, Innovations and experience in the emerging trends related to **Steels & advanced materials, Welding & fabrication** techniques for the Industry.

Tentative Technical Sessions

Materials Related

- Mineral Beneficiation, Iron & Steel Making Process
- Steel, Advanced Materials- its developments & applications
- Non-Metallic & Composite Materials
- Material Selection & Corrosion Control
- Applications oriented Materials for the Heavy Industries
- Pipeline Material & New Developments
- Developments in Automobile Material
- Heat Treatment, Phase transformation & Surface Treatment
- Metal Forming & Fabrication
- Material Damage & Failure Analysis



Welding & Fabrication Related

- Advances in Welding, Fabrication & Cutting Techniques
- Metallurgy of Welding
- Characterization, Inspection & NDE of Welding
- Challenges in Welding of Stainless Steel & High Alloys
- Welding of Line Pipe Material
- Welding of Pressure Vessels, Tanks, Boilers
- Mechanical Behavior & Weld Integrity
- Automatic & Robotic welding
- Shipbuilding, Underwater Welding
- Welder Training & Certification

Conference

Invitation for Abstract Submission:

Metallurgists, Materials/ Mechanical Engineers, Welding & Fabrication technologists, scientists and professionals from the Industries, Academia, and Research Organization are invited for **technical paper presentation** in any one of the suggested theme topics. Abstracts will be evaluated based on relevance, uniqueness/ originality, technical content, and clarity. Authors are requested to submit abstracts **not exceeding 300-500 words** as per the guidelines through email.

E-mail Ids:

technical@materialssummit.co.in

technical@weldfab.co.in

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.

Guidelines for Abstract Submission:

Title: **Times New Roman; 14 Font, Bold**
 Author: **Times New Roman; 12 Font, Bold**
 Affiliations: **Times New Roman; 11 Font, Bold, Italic**
 Abstract Font: **Times New Roman; 12 Font**
 Wordcount: **300 – 500 words**
 Keywords: **Times New Roman; 11 Font, Bold, Italic 3-4 max. Number of keywords**

Delegate Registration:

Kindly send your nomination/ participation details to:
technical@materialssummit.co.in
technical@weldfab.co.in

Category	Delegate Fee
Presenting Speaker/ Author	Rs. 9,000/- (USD 180)
Delegate/ Co-author	Rs. 12,000/- (USD 240)
Educational, Govt. R&D Institutes	Rs. 10,000/- (USD 200)
Student/ Spouse Delegates	Rs. 4,000/- (USD 80)

+ 18% GST will be applicable in case of INR Fees. Author delegate fee will be applicable only for the Primary Author. Co-authors will be charged Normal Delegate Fee. Travel & Accommodation need to be arranged by the participant only.

Early Bird Discount

10% discount will be applicable, in case **payments received before 31.10.2018**

Corporate Discount

10% additional discount if **3 & above nos. of delegates** participate from same organization. (Not applicable for Author/ Speaker/ Student/ Educational Institute/ Spouse Delegate)

Materials & WeldFab Event Schedule At a Glance

Friday 1 February 2019: 09:00 hours onward

Venue: Royal Ball Room

DAY 1: Friday 1 February 2019

09.00-09.30 hours: Registration with Morning Snacks & Tea
 09.30-11.00 hours: Inauguration & Opening of Exhibition
 11.00-11.30 hours: Networking Tea Break
 11.30-13.00 hours: Morning Conference Sessions
 13.00-14.00 hours: Networking Lunch
 14.00-15.30 hours: Afternoon Conference Sessions
 15.30-16.00 hours: Networking Tea Break
 16.00-17.30 hours: Panel Discussion & Q/A
 17.30-18.00 hours: Networking Tea Break

18:00 – 21:00 hours: Networking Dinner along with Award Ceremony

DAY 2: Saturday 2 February 2019

09.30-11.00 hours: Morning Conference Sessions
 11.00-11.30 hours: Networking Tea Break
 11.30-13.00 hours: Morning Conference Sessions
 13.00-14.00 hours: Networking Lunch
 14.00-15.30 hours: Afternoon Conference Sessions
 15.30-16.00 hours: Networking Tea Break
 16.50-17.30 hours: Panel Discussion & Q/A; Closing Ceremony

PLEASE NOTE: Content of the event program can be changed without any intimation



Important Dead Lines

Abstract Submission:
20th November 2018

Early Bird Discount:
30th November 2018

Full Paper Submission:
15th January 2019

Presentation Submission:
25th January 2019

Materials Related Topics & Agendas to be covered

Mineral Beneficiation, Iron & Steel Making Process

Purification of low grade ores, new technologies, Extractive Metallurgy, Scrap Recycling, Waste utilization, Refining, Agglomeration, Coke making, Blast Furnace & Alternative Iron Making, BOF, EAF, Electric Steelmaking, Secondary Steelmaking, Ladle & Secondary Refining, Continuous Casting, Specialty Alloy & Foundry, importance of Refractories in Metallurgy

Industrial Materials (Ferrous/ Non-ferrous), various Steel & alloy grades & its application

Structural Steels, Rebars, Galvanized Steel, Aluminum Alloys, Stainless Steel, Duplex/ super Duplex Material, Nickel Alloys, Super Alloys, Titanium Alloys, Zinc Alloys, Cu Alloys, Inconel, High alloying material, Emerging Smart Materials, Nano-materials and Nano-technology, New innovations in Alloy Manufacturing.

Non-Metallic & Composite Materials

GRE, HDPE, Plastic Pipes, Plastic lined carbon Steel, composite Material, Polymer matrix, metal matrix, ceramic matrix, Joining of Non-metallic Pipes, Smart Materials

Material Selection & Corrosion Control

Optimum MOC selection, Corrosion Resistance, Physical Metallurgy of Steel, High Temperature & Cryogenic, Materials, Physical & Mechanical properties of Materials, Metallurgical & Mechanical Testing, Corrosion property testing, Erosion Resistance materials etc

Materials for the Heavy Industries (Oil & Gas Production, Refineries, Petrochemical, Power, Infrastructure etc)

Materials for Marine environment, under water structures, Sulphidic Corrosion, sour service, Amine service, Fertilizer Grade Materials, High temperature material, Reactors, Heater tubes, Exchanger tubes, Vessels, acidic environment, concrete corrosion etc.

Pipeline Material & New Developments

High Strength Low Alloy Materials, API Grades, Coated pipes, Non Metallic Pipes, GI Pipe, Composition and alloying control etc.

Developments in Automobile Material

High strength Materials, micro alloying elements, High Strength to weight ratio, Steel development etc.

Heat Treatment, Phase transformation & Surface Treatment

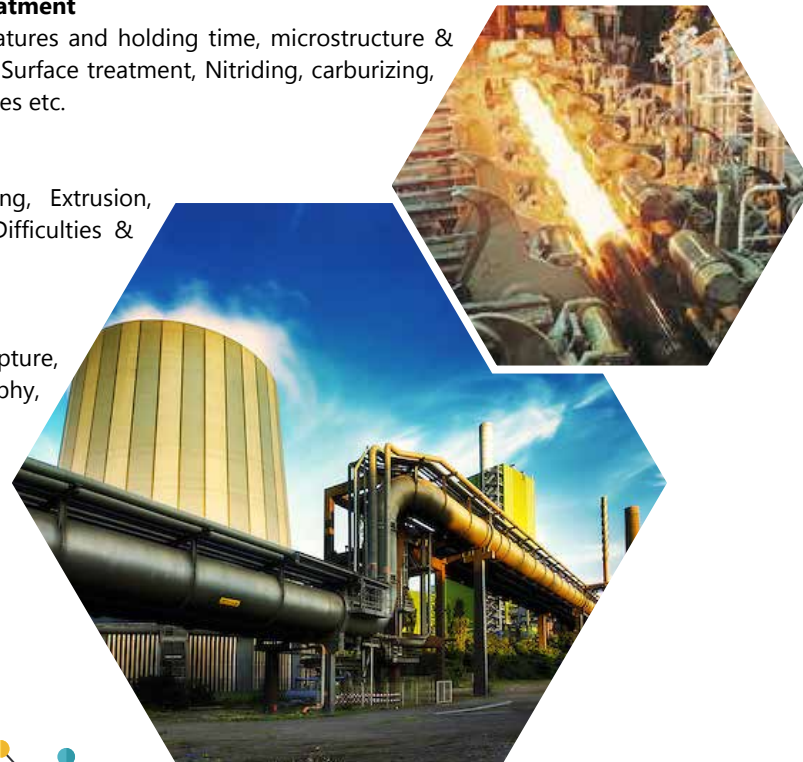
Thermo Mechanical Treatment, Heat treatment temperatures and holding time, microstructure & phase transformation, Residual Stress, hardening effect, Surface treatment, Nitriding, carburizing, Thermal Spray, Metalizing, types and efficiency of Furnaces etc.

Metal Forming & Fabrication

Advanced Metal Forming, Hot/ Cold Rolling, Forging, Extrusion, Drawing, Welding, pipe/ tube making, Plate Rolling, Difficulties & improvements etc

Material Damage & Failure Analysis

Elastic/ Plastic Deformation, Fatigue, Creep & Stress Rupture, Fracture, Material Failure, Corrosion Failure, Metallography, Root Cause Analysis, Maintenance & Reliability



Welding & Fabrication Related Topics & Agendas to be covered

Advances in Welding, Fabrication & Cutting Techniques

Welding Design, Analysis, Manufacturing and Fabrication Techniques & Processes; Advancement/ Innovation/automation in existing technology; Welding Processes, Equipments & Technological Innovation; Arc Welding and Filler Metals; Recent developments in joining technology - welding, soldering, brazing and Diffusion Bonding; Mathematical modeling and simulations; Joining of polymer and ceramic materials, Micro joining and Nano joining; Thermal Cutting and Allied Processes, Laser Cutting & Welding Technology; Resistance welding, Solid State Welding and Allied Joining Processes

Metallurgy of Welding

Advances in Materials & Behaviour of Metals Subjected to Welding; Welding Metallurgy & Weldability Analysis; Importance of Welding Consumables and Procedures for Conventional and Emerging Materials; Importance of Accurate Welding Procurement; Field Heat Treatment: An Essential Variable in Welding; Physicochemical processes (thermodynamics, kinetics, microstructure, phase transformations, Corrosion); Special electrometallurgy processes; The Physics of Welding; Surfacing and Wear resistance applications

Characterization, Inspection & NDE of Welding

Using Advanced Equipment & Processes to Improve Quality, Productivity and Safety; Conventional vs Automatic Radiography, advanced NDT techniques; Inspection & Non-Destructive Examination: Cost vs. Value; Automation of welding processes, Robotics and related technologies; Computer Aided Welding Engineering; Process Monitoring, Sensors, Control; Welding Power Sources, Equipments; Cost & Economics of Welding, NDT, QA and Failure Analysis; Quality Management in Welding and Allied Processes; Power Beam Processes

Challenges in Welding of Stainless Steel & High Alloy Materials

Advanced welding electrodes and techniques; Metallurgical & welding aspects of various advanced metals; Appropriate PQR, WPS, New code requirements; Welder performance, difficulties and limitations at site welding; Importance of pre/ post heat treatment, controlled atmosphere

Welding of Line Pipe & Under Water Welding

Automatic, semi automatic and manual welding; High strength API pipe grades, difficulties and special precautions; Welding joints, welding of coated pipe

Mechanical Behavior & Weld Integrity

Strength, reliability and life of welded structures; Repair, Reclamation, Maintenance & Surfacing & Weld Overlay; Key Design aspects and performance factors; Mechanical and Corrosion Properties, Residual Stress and Distortion Control; Structural Performance of Weld Joints - Fracture Avoidance; Fatigue Behaviour of Welded Components and Structures; Assessment of Properties, Integrity of Weld Joints, Residual Life Estimation; Residual Stresses and Distortion; Non-Destructive Evaluation, Quality Assurance and Weld Related Failure Analysis

Welder Training & Certification

Welding Procedure Qualification, PQR, WPS, Welding Process Safety; Cost and Economics of Welding, Safety, Quality Assurance and Productivity in Welding



Exhibition

Stall Options:

The exhibitions shall provide an opportunity to promote a meaningful interaction between end users and product/ service providers. The organizers will provide a well-furnished modern exhibition facility at the venue which can easily be accessed by the participants. This exhibition will be open to all the delegates and invitees from industry, research and academic institutions during the conference. The exhibitors will be entitled for the below facilities:

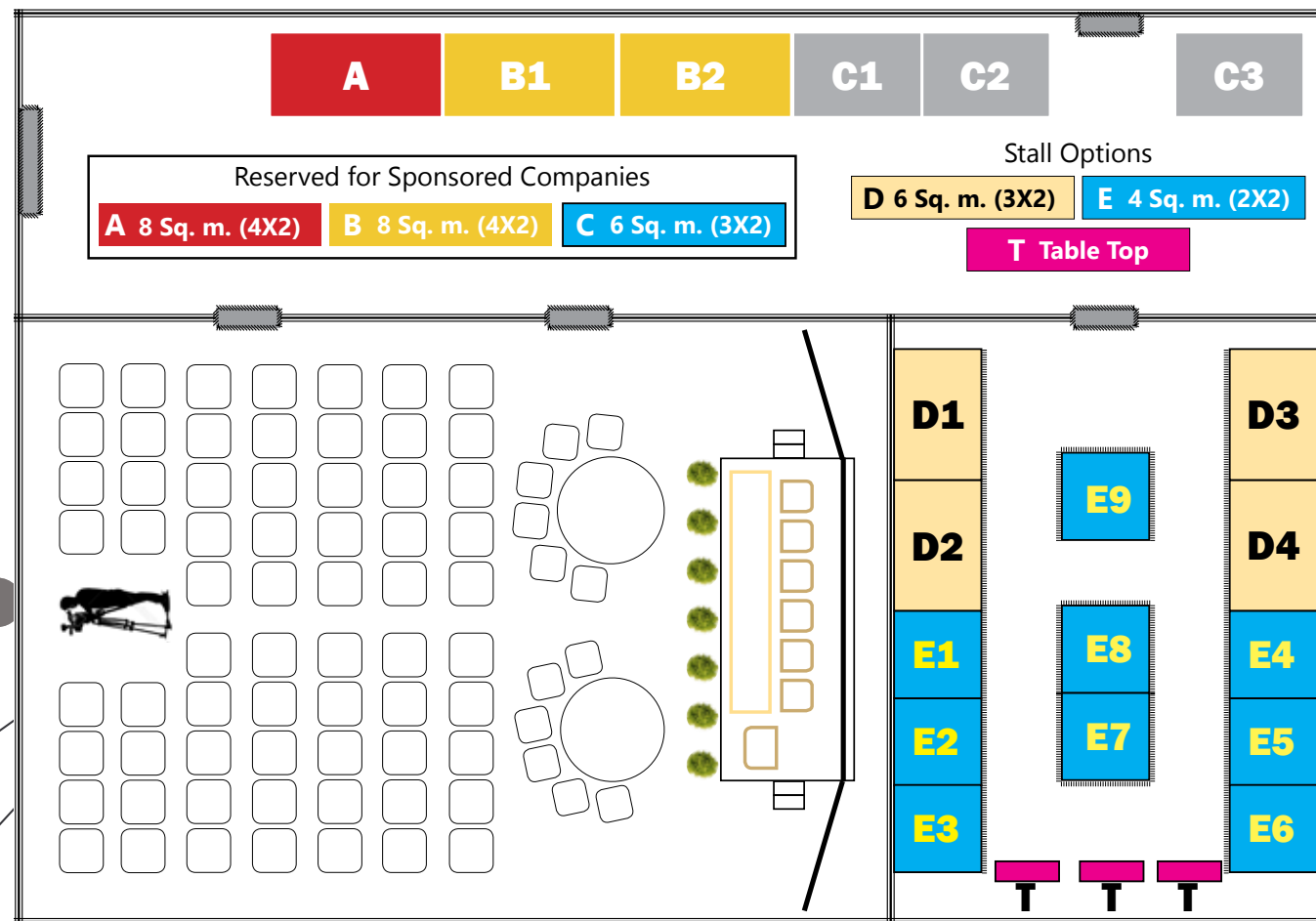
Stall Options	6 Sq. m (3 x 2)	4 Sq. m (2 x 2)	Table Top
Benefits at a Glance	Rs. 80,000/- (USD 1600)	Rs. 60,000/- (USD 1200)	Rs. 35,000/- (USD 700)
Complimentary No. of Delegates	2	2	1
Wide Publicity of Logo & Banner	Yes	Yes	Yes
Company Advertisement in Souvenir	1 Page	1 Page	1/2 Page

+18% GST will be applicable as extra.

Stalls:



Floor Plan:



Branding & Partnership Options:

Sponsorship are solicited from public as well as private industries, product & equipment suppliers, consultants, overseas companies etc. The conference provides a unique opportunity for sponsoring organizations to promote their products / services to the focused International and National audiences besides having an excellent opportunity to interact with Bureaucrats, Professionals, Engineers, Scientists, Academia and marketing professionals. The following complimentary benefits would be available for the Sponsors:

Branding partner Category	Platinum	Gold	Silver
Benefits at a Glance	Rs. 2,80,000/- (USD 5600)	Rs. 2,00,000/- (USD 4000)	Rs. 1,20,000/- (USD 2400)
Complimentary Exhibition Stall	8 Sq. m (4 x 2)	8 Sq. m (4 x 2)	6 Sq. m (3 x 2)
Complimentary No. of Delegates	6	4	3
Preferential Stall Location	Yes	Yes	Yes
Sharing of Participant Contact List	Yes	Yes	Yes
Company Advertisement in Souvenir	1 Page	1 Page	1 Page
Wide Publicity of Logo & Banner	Yes	Yes	Yes
Memento Presentation	Yes	Yes	Yes
Display of Standee	2 no's	1 no's	-
Inclusion of the Company Brochure in the Delegate Kit	Yes	Yes	-
LCD Display with Stand	1 no's	-	-

+18% GST will be applicable as extra.

Branding Options	Cocktail Dinner	Lunch	Delegate Kit
Benefits at a Glance	Rs. 2,60,000/- (USD 5200)	Rs. 1,20,000/- (USD 2400)	Rs. 80,000/- (USD 1600)
Complimentary Exhibition Stall	4 Sq. m (2x 2)*	*	*
Complimentary No. of Delegates	6	4	3
Sharing of Participant Contact List	Yes	Yes	Yes
Company Advertisement in Souvenir	1 Page	1 Page	1 Page
Wide Publicity of Logo & Banner	Yes	Yes	Yes
Memento Presentation	Yes	Yes	Yes
Display of Standee	2 no's	1 no's	1 no's
Special Acknowledgement & Presence	In Dinner	In Lunch	Logo Printing in Delegate Kit (Bag, Note Pad, Pen)
Inclusion of the Company Brochure in the Delegate Kit	Yes	-	-
Video Display of the Product During Tea/Lunch Break	Yes	Yes	-

+18% GST will be applicable as extra. *Discounted Price for Stall

Other Branding & Partnership Options:

Tea/ Coffee Partner - Rs. 50,000/- (USD 1000):

- Company's name and logo will be prominently displayed at the conference lunch venue.
- Complimentary no. of Delegates 2.
- Special Acknowledgement & Presence at Tea Breaks
- Video Display (15 min) of your Products during Tea Breaks
- 1 Standee Display in the Pre-Function Area
- 1 Page Advertisement in the souvenir
- Wide publicity of Logo in Website, Back Stage Banner, Memento Presentation



Session Partner: Rs. 70,000/- (USD 1400):

Support a conference session will increase your brand value in the conference & establish ubiquitous presence.

- Complimentary no. of Delegates 2.
- Special Acknowledgment to the company at the Session.
- 1 Standee Display in the Conference Hall
- 1 Page Advertisement in the souvenir
- Wide publicity of Logo in Website, Back Stage Banner, Memento Presentation



Lanyard for Badges: Rs. 40,000/- (USD 800):

Attractive Lanyards will be distributed to the Delegates, invitees, conference speakers, exhibitors and branding partners. Company will gain high visibility at the venue with the name / logo prominently displayed on each Lanyard. An excellent way to attract visibility and make your presence felt with every attendee.

- Complimentary no. of Delegates 2.
- 1 Page Advertisement in the souvenir
- Wide publicity of Logo in Website, Back Stage Banner, Memento Presentation

Product Promotion during Tea Breaks - Rs. 20,000/- (USD 400):

- Best option to promote your products, Services & New Technologies to the gathering
- Video Display of your Products during Tea Breaks (in the Projection Screen of the Conference Hall & in LCD in the Pre-function Area)
- Display Duration 15 Minutes



Display of Standee - Rs. 20,000/- (USD 400):

- Promote your company, products & Services
- One 4 ft x 6 ft Standee will be allowed to display in the Conference Hall for both the days.
- Standee shall be arranged/brought by the company

Conference Souvenir: Rs. 80,000/- (USD 1600):

E-magazine (Conference Souvenir) will be published with details of participating companies, abstracts (presented during the Seminar), photographs etc. The magazine will feature advertisements from the industry and is of tremendous publicity & business value. The e-copy of the magazine is going to have a significant number of free circulation (aprox. 1 lac. worldwide) covering almost all the industry, service providers, contractors, supplier as well as end users.

- Company's name and logo will be prominently included in the E-Magazine.
- Complimentary no. of Delegates 2
- 1 Page advertisement Inside/Outside back Cover page
- Special Coverage/ Technical write up of 4-5 Pages
- Wide publicity of Logo & Banner, Logo in Back Stage Banner, Display of Company Logo in Website, Memento Presentation.

Conference Publications (Souvenir)

Details of the Advertisement	Fees
Half Page	Rs. 5,000/- (USD 100)
Full Page	Rs. 8,000/- (USD 160)
Double Spread Ad (2 page side by side)	Rs. 12,000/- (USD 240)
Inside Front/ Back Cover Page	Rs. 12,000/- (USD 240)
Outside Back Cover Page	Rs. 15,000/- (USD 300)

Fees mentioned in dollar (\$) are applicable for Overseas Companies
18% GST will be applicable as extra.

For advertisement technical specifications are:

Full page A4 Size: 7.75 in (w) x 11.25 in (h)

Half Page Size: 7.75 in (w) x 5.5 in (h)

If the advertisement is having Bleed Area then 5mm each all sides should be extra.

Advertisement material should be High Resolution 300 dpi. Color Mode- CMYK, Format- PDF, TIFF, JPEG.



Who should attend?

Professionals from

- Metallurgists, Materials & Mechanical Engineers
- Welding & Fabrication engineers and practicing professionals
- Steel Industry, CRA's, Material Development, Ni, Cu, Al, Ti, Zn Industry professionals
- Mining companies, Mineral Beneficiation professionals
- Plastic Pipe, Non-metallic materials & Composite Industry
- Pipe & Plate manufacturing companies, Pipeline Professionals
- Metal Forming Industry, Rolling Industry, Forging Companies
- Automobile Materials, Automobile professionals
- Corrosion Management Professionals, Coatings, CP
- Failure Analyst, Asset Integrity professionals, Inspection & Maintenance Peoples
- Furnace Industry, Refractories, Heat Treatment Professionals
- Heat Treatment professionals, Material Characterization
- Welding Equipment Suppliers, Electrode Manufacturing companies
- Consumable and equipment manufacturers and dealers
- Production managers, shop floor engineers & supervisors
- Inspection and quality control organizations and personnel
- Academicians, Scientists, Researchers
- Faculty and Students from Engineering Colleges
- Engineering and Professional Technical Training Institutes
- Inspection & NDT professionals, Failure Analyst
- Professionals from Oil & Gas, Chemical & Petroleum Industry
- Energy & Power Industry, Nuclear
- Petrochemical, Fertilizer & Process Industries
- Upstream & Drilling, Offshore Facilities, Pipeline Professional
- Aerospace, Automotive, Medical, Railways, Shipping, Defense, Information Technology
- Maintenance & Construction Personnel.
- R&D organizations

