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WHAT IS THE INTERNATIONAL FORGING CONGRESS?

International Forging Congress (IFC) is a global event that brings together key players from the international forging community to exchange information and experiences. IFC features forging industry technical and business-oriented presentations. In addition, exhibitors display their forging-related products and services to IFC attendees.

The IFC was founded in 1953 and is organized by national forging associations from all over the world. The IFC travels the globe and is hosted in a different country every three years. This year the 23rd International Forging Congress will be held in the United States for only the fourth-time, last being hosted by FIA in 2008. The 23rd IFC will take place September 19-21, 2020 in Chicago, USA.

Here is where the IFC has been held since its inception in 1953:

<table>
<thead>
<tr>
<th>Year</th>
<th>IFC</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>1953</td>
<td>1st</td>
<td>Gleneagles, Scotland/UK</td>
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<tr>
<td>1956</td>
<td>2nd</td>
<td>Munich, Germany</td>
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<td>Munich, Germany</td>
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<tr>
<td>1968</td>
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<td>1971</td>
<td>7th</td>
<td>Brussels, Belgium</td>
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<td>1974</td>
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<td>Nice, France</td>
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<td>1977</td>
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<td>Kyoto, Japan</td>
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<td>2002</td>
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<tr>
<td>2005</td>
<td>18th</td>
<td>Nagoya, Japan</td>
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<td>2008</td>
<td>19th</td>
<td>Chicago, USA</td>
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<td>2011</td>
<td>20th</td>
<td>Hyderabad, India</td>
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<tr>
<td>2014</td>
<td>21st</td>
<td>Berlin, Germany</td>
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<tr>
<td>2017</td>
<td>22nd</td>
<td>Hangzhou, China</td>
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</tbody>
</table>
WHY ATTEND IFC 2020?

Technical and Business-Oriented Presentations
Beginning Monday, September 20, 2020 through Tuesday, September 21, 2020, there will be over 40 technical and business-oriented presentations by forging industry leaders and academics worldwide. Presentations on forging research and technology include the following topics:

- Forging Equipment
- Plant Productivity
- Heat Processing & Treatment
- Materials
- Tooling
- Software Simulation
- Material Handling
- Automation
- Industry 4.0 (IIoT)
- Maintenance
- Product Design
- Light weighting
- Alternative Technologies

Exhibition
IFC 2020 will feature 43 booth and 17 table top displays by leading suppliers to the forging industry from around the world. IFC attendees will be able to see the latest forging technology available from forging suppliers.

Networking
IFC is a global event that brings together key players from the international forging community to exchange information and experiences. Perhaps the biggest reason you should attend IFC 2020 is the social interaction it encourages between forging peers.

IFC 2020 will include various opportunities to network and engage with other attending delegates. Throughout the event delegates will be encouraged to interact, ask questions and share knowledge about industry advancements, economics, technologies and best-practices. Group lunches, coffee breaks and time in the Exhibit Hall will help to foster new relationships and provide delegates time to meet with one-another throughout the Congress.

One featured networking opportunity at the 2020 International Forging Congress is the Opening Reception, which will be held at the Museum of Science and Industry on September 19, 2020. Opening Reception attendees will enjoy premium cocktails, a variety of cuisines and access to museum exhibits, including interactive flight simulators, a Boeing 727 and more.

Another highlight that will bring the IFC 2020 attendees together for social networking and engagement is the Closing Banquet on September 21, 2020 at the Marriott Magnificent Mile Downtown. The banquet will be held in the Chicago Ballroom and feature a duo-plated dinner, beer and wine, and entertainment by Dakota Horvath and The City Lights Orchestra.

Don't miss this unique opportunity to meet and greet top-level forging and supplier executives from around the world.
ORGANIZING COMMITTEE

Chairman of the International Forging Congress 2020
Jeff Jones, Forge Resources Group

Organizing Committee Members:
Perry Bennett, Asahi Bluegrass Forge
Doug Brown, Inductotherm Group, InductoHeat Div.
Pat Burke, TECT Power
Joe Cipriani, Keystone Forging Co.
Kester Clarke, Colorado School of Mines
Mike Gill, LASCO Engineering Services L.L.C.
Jeff Jones, Forging Equipment Solutions
Marc Marcucci, Gerdau (GSN)
Rob Mayer, The Queen City Forging Co.
John Pale, American Axle & Manufacturing, Inc.
Roger Rees, SMS group
Joe Stambaugh, Ajax TOCCO Magnethermic Corp.

EXHIBITS & PLANT TOURS SUBCOMMITTEE

Subcommittee Chair:
Mike Gill, LASCO Engineering Services L.L.C.

Subcommittee Members:
Roger Rees, SMS group
Joe Cipriani, Keystone Forging Co.
Doug Brown, Inductotherm Group, InductoHeat Div.
Joe Stambaugh, Ajax TOCCO Magnethermic Corp.
Marc Marcucci, Gerdau (GSN)
Perry Bennett, Asahi Bluegrass Forge
Jeff Jones, Forging Equipment Solutions

TECHNICAL PROGRAM & SPEAKERS SUBCOMMITTEE

Subcommittee Co-Chairs:
Rob Mayer, The Queen City Forging Co.
Pat Burke, TECT Power
Suzanne Tkach, Tkach Consulting

Subcommittee Members:
John Pale, American Axle & Manufacturing, Inc.
Kester Clarke, Colorado School of Mines
Registration
7:30 a.m. – 4:00 p.m.
Marriott Magnificent Mile Downtown
540 N. Michigan Ave, Chicago, IL 60611
IFC delegates and accompanying persons will be provided with their credentials by FIA staff at the IFC registration desk.
The IFC Registration Desk is located on the 5th Floor of the Marriott Magnificent Mile Downtown. Congress delegates will be checked-in for the event and provided with their name badge and the official IFC program guide.
Delegates can collect these items on behalf of their accompanying persons, or accompanying persons are welcome to go to the IFC registration desk on their own.

Opening Reception
6:00 p.m. – 9:00 p.m.
Museum of Science and Industry
5700 S. Lake Shore Drive Chicago, IL 60637
www.msimichicago.org
IFC 2020 will kick-off with an Opening Reception on September 19, 2020 at the Museum of Science and Industry. The private event will feature multiple dinner stations, highlighting a variety of cuisines including a specialty station with “Chicago-style” food options. The reception also includes unlimited premium cocktails and beverages.

The Museum of Science and Industry (MSI) is located in Jackson Park, in the Hyde Park neighborhood. It is housed in the former Palace of Fine Arts from the 1893 World’s Columbian Exposition. It is currently the largest science center in the Western Hemisphere. Chicago’s extensive Museum of Science and Industry pays tribute to the city’s innovative roots, showcasing more than 35,000 artifacts and a variety of hands-on exhibits meant to inspire creativity.
While at this private event attendees will be able to experience MSI’s outstanding exhibits including:

Interactive Flight Simulator
Attendees are encouraged to climb aboard and try their skills as either a pilot or gunner in a historic aircraft: choose from the P-51 Mustang, F-4 Phantom II, F-16 Fighting Falcon and more. Launch and take to the skies as you climb, dive, and roll 360°.
The Great Train Story & Transportation Gallery
A centerpiece of the Transportation Gallery, is an interactive model railroad which features more than 20 trains winding through a continental journey replicated in astonishing detail and scope.

Coal Mine
Since 1933, Coal Mine has taken MSI guests down the mineshaft, along the rails, and through the walls of a true-to-life coal mine. It was the Museum’s very first exhibit, and it’s been a guest favorite ever since. Participants will enjoy this descent into a “working” coal mine, an engaging tour of mining methods and machinery through the years.

ToyMaker 3000
This exhibit demonstrates the entire process of manufacturing a toy on a modern assembly line. Attendees will be able to follow along every step of the way, from parts to packaging. The speed and precision is quite a show.

727 Take Flight
Attendees can explore the inner and outer workings of an actual United Airlines Boeing 727 as they climb aboard the plane’s fuselage and learn about the technology that shapes commercial aviation.

Transportation to and from the Opening Reception will be available. Motorcoaches will pick-up outside of the Marriott Magnificent Mile Downtown. The motorcoaches will begin boarding at 4:45 p.m. to take guests to the Museum of Science and Industry. The motorcoaches will then depart from the Museum of Science and Industry beginning at 9:15 p.m. and return to the Marriott Magnificent Mile Downtown.
DAY 2
Sunday, September 20

Congress & Exhibition
7:30 a.m. - 4:55 p.m.
Marriott Magnificent Mile Downtown
540 N. Michigan Ave, Chicago, IL 60611

7:30 a.m. – 5:00 p.m.  Registration Open - 5th Floor
7:30 a.m. – 8:30 a.m.  Continental Breakfast - 4th Floor
                      Exhibit Hall Open
8:30 a.m. – 8:40 a.m.  Congress Welcome
                      Jeff Jones, Chairman, International Forging Congress
                      Presentation Room A
8:40 a.m. – 9:00 a.m.  North American Forging Trends Update
                      James R. Warren, President & CEO,
                      Forging Industry Association
                      Presentation Room A
9:00 a.m. – 9:20 a.m.  European Forging Trends Update
                      Tobias Hain, President, EUROFORGE
                      Presentation Room A
9:25 a.m. – 9:50 a.m.  Engineered Residual Stress Fields in Tool and Die
                      Applications by Laser Shock Peening
                      Stan Bovid, LSP Technologies
                      Presentation Room A
                      Innovative High Performance Tool Steels for
                      Hot-Forging Applications
                      Michael Hirtler, voestalpine BÖHLER Edelstahl
                      Presentation Room B
                      Investigation of Directional Surface
                      Topography In Forging.
                      Joseph P. Domblesky, Marquette University
                      Presentation Room C
9:55 a.m. – 10:20 a.m.  Lightweight Forging – A Success Story in Four Chapters
                      Hans-Willi Raedt, Hirschvogel Automotive Group
                      Presentation Room A
                      Metamorphic Manufacturing: Processing Pathways to
                      Manufacture Custom Geometry Components with
                      Tailored Microstructures
                      Kester Clarke, Colorado School of Mines
                      Presentation Room B
SCHEDULE OF EVENTS

10:20 a.m. – 11:00 a.m.  
Coffee & Tea Break

Exhibit Hall Open

11:00 a.m. – 11:30 a.m.  
Keynote Presentation:
Five Trends Shaping Global Trade in the Next Decade
Dr. Chris Kuehl, Armada Corporate Intelligence
Presentation Room A

11:30 a.m. – 11:50 a.m.  
Chinese Forging Trends Update
Zhang Jin, Confederation of Chinese Metalforming Ind.
Presentation Room A

11:55 a.m. – 12:15 p.m.  
Indian Forging Trends Update
Murali Shankar, Association of India Forging Ind.
Presentation Room A

12:15 p.m. – 2:00 p.m.  
Buffet Lunch – 4th Floor
Exhibit Hall Open

2:00 p.m. – 2:25 p.m.  
Forging More Intelligently Through Workpiece Tracking, Adaptive Control and Machine Learning
Mathias Liewald, Prof. Dr. and Celalettin Karadogan, Dr. Institute for Metal Forming Tech. - University of Stuttgart
Presentation Room A

Finite Element Modeling in Metal Forming and Forging Industries - What to Know and Where to Apply
Ming (Henry) He, The Timken Company
Presentation Room B

Die Set Construction Options for Post Forging Operations
Steven Janiszewski, Superior Die Set
Presentation Room C

2:30 p.m. – 2:55 p.m.  
The World’s Biggest Pull-Down Hydraulic Closed-Die-Forging Press in USA at Weber Metals
Serdar Tuncel, SMS Group GmbH
Presentation Room A

The New Trend in Hot and Warm Closed-Die Forging: Intelligent Lubrication
Franck Belloy, Quaker Houghton
Presentation Room B

Robotic Die & Component Welding System
Chris Kerchkof, Eureka Welding Alloys
Presentation Room C
3:00 p.m. – 3:25 p.m.  
**Comparison of Mechanical and Hydraulic Forging Presses**  
Ken Setze, Schuler Incorporated Canton  
Presentation Room A  

**Bringing the IIoT to Forging Forefront**  
Paul Hogendoorn, FreePoint Technologies  
Presentation Room B  

**Applying Non-Destructive Examination Methods to Forge Presses**  
Ronald P. Manganello, Carlesa NDE Services  
Presentation Room C  

3:25 p.m. – 4:00 p.m.  
Coffee & Tea Break  
Exhibit Hall Open  

4:00 p.m. – 4:25 p.m.  
**Review of Hot Forging Steel Wear Analysis and Modelling of Cost Reduced Solutions**  
Salvador Perez, CIE Galfor  
Presentation Room A  

**How Virtual Process Manufacturing Will Meet Today’s and Tomorrow’s Challenges in the Field of Aluminum Forging**  
Nicolas Poulain, Transvalor Americas Corp.  
Presentation Room B  

**Isostatic Forging - The Fit with Other Forging Processes**  
Robert M. Conaway, Isostatic Forging International  
Presentation Room C  

4:30 p.m. – 4:55 p.m.  
**Modern Design Solutions of Forging Devices for Forging Ingots and Blanks Using Four Fies on Hydraulic Forging Presses**  
Sergey Kuralekh, Lazorkin Engineering LLC  
Presentation Room A  

**Newest Developments in Ring Rolling**  
Robert Bolin, SMS Group Inc.  
Presentation Room B  

**Friction Stir Additive Consolidation for Bulk Forging Feedstock**  
Kester Clark, Colorado School of Mines  
Presentation Room C
DAY 3
Monday, September 21

Congress & Exhibition
7:30 a.m. - 2:55 p.m.
Marriott Magnificent Mile Downtown
540 N. Michigan Ave, Chicago, IL 60611

7:30 a.m. – 8:30 a.m.  
Continental Breakfast - 4th Floor

8:00 a.m. – 2:00 p.m.  
Registration Open – 5th Floor

8:30 a.m. – 9:00 a.m.  
Keynote Presentation:
Dr. Don McNeely, Chicago Tube & Iron Co.
Presentation Room A

9:00 a.m. – 9:20 a.m.  
Japanese Forging Trends Update
Representative, JFA
Presentation Room A

9:25 a.m. – 9:50 a.m.  
IForge and Industry 4.0 - Digitalization is Key for Performance Enhancement in the Forging World
Martin Scholles, SMS Group GmbH
Presentation Room A

Increasing Forging Die, Tool Life, Preventing Rejections and Reducing Energy Consumption by the use of Protective Coatings
Srikar Shenoy, Steel Plant Specialties, LLP
Presentation Room B

Improve Your Plant Productivity by Choosing the Right Lubricant and the Right Material
Todd Smith, Condat Corp.
Presentation Room C

9:55 a.m. – 10:20 a.m.  
Laboratory Testing to Identify Permanent PVD Coatings to Minimize Lubricant Use During Forging
Kester Clarke, Colorado School of Mines
Presentation Room A

Automating the Uniformity Certification Process for the Forge and Heat Treat Furnaces
Justin Dzik, Fives North American Combustion, Inc.
Presentation Room B
STATEMENT OF ART IN FORGING LIGHTWEIGHT ALLOYS AND HIGH TEMPERATURE SUPER ALLOYS
Mr. Carlo Maffei, FICEP SPA
Presentation Room C

10:20 a.m. – 11:00 a.m.
Coffee & Tea Break
Exhibit Hall Open

11:00 a.m. – 11:25 a.m.
Initiative Lightweight forging; Geometries Made Easy by Forging
Marco Laufer, Hammerwerk Fridingen GmbH
Presentation Room A

3C's (Cool, Comfortable and Clean)
Danny Pittman, Asahi Bluegrass Forge
Presentation Room B

Porosity and A-Segregation Prediction in Hollow Ingots for Large Forgings
Ovidiu Bogdan, Industrial Soft
Presentation Room C

11:30 a.m. – 11:55 a.m.
Effect of Billet Forging Temperature on Grain Size, Heat Treat Response and Final Part Properties
Chuck Hartwig, ThermTech
Presentation Room A

The MOBI-HEARTH Furnace® - The World's Most Flexible Batch Heat Treating System
Michael K. Klauck, Can-Eng Furnaces International
Presentation Room B

Optimization of Blank Weights in Forging Lines
Michael Siegl, Linsinger
Presentation Room C

11:55 a.m. – 2:00 p.m.
Buffet Lunch – 4th Floor
Exhibit Hall Open

2:00 p.m. – 2:25 p.m.
Forge Shop of a New Generation
Jim Kravec, Amir Tanbakouchi, Dr. Rene von Dombrowski, Siempelkamp Maschinen & Anlagenbau GmbH
Presentation Room A

Vibration Isolation and Forge Shop Foundations
Victor Salcedo, GERB Vibration Control
Presentation Room B
CFD Modelling of Immersion Quenching Process for Prediction of Metal parts Thermodynamic Conditions
David Greif, AVL-AST d.o.o. Slovenija
Presentation Room C

Experience with Industry 4.0 at Equipment In Open/Closed Die Forging Shops and Visions in Automation
Rainer Dango, Dango & Dienenthal Maschinebau
Presentation Room A

Enhancing Tool Life by Manipulating the Punch & Die Elastic Strain Field During Forging
Gracious Ngaile, North Carolina State University
Presentation Room B

How Forging Simulation Saves Time and Money
Nick Biba and Tom Ellinghausen, Qform/Forge Technology, Inc
Presentation Room C

Closing Banquet
Chicago Ballroom, Marriott Magnificent Mile
SCHEDULE OF EVENTS

Closing Banquet
6:30 p.m. - 9:30 p.m.
Marriott Magnificent Mile Downtown
540 N. Michigan Ave, Chicago, IL 60611

International Forging Congress 2020 will end with a Closing Banquet on September 21, 2020 at the Marriott Magnificent Mile Downtown in the Chicago Ballroom. The IFC 2020 Closing Banquet will feature a duo-plated, three course dinner; unlimited beer and wine; and two performances by Chicago-based entertainer Dakota Horvath and The City Lights Orchestra.

The Chicago Ballroom is located on the fifth floor of the Marriott Magnificent Mile Downtown. This is the same meeting space as Presentation Room A and the Exhibit Hall during the Congress. The banquet will begin at 6:30 p.m. and end at 9:30 p.m.

About Dakota:
Dakota started his career covering Frank Sinatra at the age of five at Mickey Rourke’s Club in Miami. Sinatra invited him backstage when he was eight. It was written about in the “The National Enquirer” magazine. Sinatra told Dakota, “You've got it kid” and handed him his orange handkerchief from his vest pocket before he went on stage.

Dakota has been tributing Sinatra ever since – from the “Legends in Concert” in Vegas to Brad Pitt and Jennifer Aniston’s wedding in LA, to wrapping one year at The Four Queens Casino in Vegas in The Broadway Rat Pack.

Though Dakota started out his career covering Frank Sinatra, today he has established himself as a crossover artist who sings multiple genres of music including jazz, pop, funk soul and R&B. At the IFC 2020 Closing Banquet Dakota will perform with The City Lights Orchestra, a sought after group of entertainers who have appeared with other top notch national musicians including Ray Charles, Mel Torme, Paul McCartney and many others.

Plant Tours

Plant Tour 1: Chicago A
September 22 - 23

Plant Tour 2: Chicago B
September 22 - 23

Plant Tour 3: Los Angeles
September 23 - 24

Please note: Plant tours are only available to non-member international delegates.

Click here for detailed plant tour information.
Exhibition
Sunday, September 20
Monday, September 21

IFC 2020 will feature 43 booth and 17 table top displays by leading suppliers to the forging industry from around the world. IFC attendees will be able to see the latest forging technology available from forging suppliers. All 43 booth displays are located in the exhibit room as shown in the floor plan below; all 17 table top displays are located in the foyer areas. Click here to see the current IFC 2020 exhibiting companies and a detailed floorplan.
ACCOMMODATIONS & CONGRESS LOCATION

All guest rooms and main Congress events held September 19-21, including technical and business-oriented presentations, exhibits and the closing banquet will be located at: **Chicago Marriott Downtown Magnificent Mile, 540 N. Michigan Ave, Chicago, IL 60611.**

Located just steps from River North’s art district and the attractions of Navy Pier, Chicago Marriott Downtown Magnificent Mile boasts 1,198 guest rooms and over 90,000 sq. ft. of versatile event space. Recently renovated, the hotel lobby features all-new modern furnishings centered around a large bar with plenty of room for drinks and dining.

FIA has arranged a group room block at the discounted rate of $269/night. To book your hotel [click here](#) or call the hotel at (877) 303-0104 and reference the Forging Industry Association. **Deadline to book at the Forging Industry Association group rate is August 27, 2020.**

The Magnificent Mile is Chicago’s premier commercial district. The dynamic, bustling area is home to upscale shops, fashion outlets, premier restaurants and high-class hotels. Landmarks include the historic Chicago Water Tower, the neo-Gothic Tribune Tower, the terracotta Wrigley Building skyscraper and the 100-story John Hancock Center. The American Planning Association selected The Magnificent Mile as one of the 10 Great Streets through its Great Places in America program. In recent years, The Magnificent Mile has added trees and flower-filled medians to reflect the changing seasons.
Downtown Chicago has a lot to offer its visitors. Accompanying persons are encouraged to explore the city at their leisure. Suggested activities include:

**Millennium Park & Cloud Gate:** Millennium Park has free admission and features the Jay Pritzker Pavilion, Cloud Gate, the Crown Fountain, the Lurie Garden, and several other attractions. The park is connected by the BP Pedestrian Bridge and the Nichols Bridgeway to other areas of Grant Park. Because the park sits atop a parking garage and Millennium Station, it is considered the world's largest rooftop garden. One of the main highlights, Cloud Gate, is a public sculpture by Indian-born British artist Sir Anish Kapoor. The sculpture is the centerpiece of AT&T Plaza at Millennium Park. Visitors can walk around and under Cloud Gate's 12-foot (3.7 m) high arch. Underneath is the "omphalos" (Greek for "navel"), a concave chamber that bends and multiplies reflections.

**360 Chicago Observation Deck:** Soaring 1,000 feet over Chicago’s renowned Michigan Avenue, 360 CHICAGO is one of the city’s most iconic attractions. Located at 875 N. Michigan Avenue on the 94th floor of the John Hancock Center, 360 CHICAGO (formerly John Hancock Observatory) offers splendid views of Chicago’s lakefront, magnificent skyline and 4 neighboring states.

**Navy Pier:** Extending out onto Lake Michigan, Navy Pier offers a wide array of entertainment. Spotted from far away visitors will notice the towering Ferris wheel (which stands 196 feet tall), other pier rides include swings and a carousel. There is also an 18-hole miniature golf course, a variety of shops and the Chicago Shakespeare Theater. It is free to enjoy the pier however, individual attractions along the pier charge $5 to $50 per ride.

**Shedd Aquarium:** Shedd Aquarium is one of the world's largest indoor aquariums, housing around 32,000 creatures. A visit to Shedd Aquarium will lead you through an abundance of habitats, where you'll find animals such as penguins, piranhas, sharks and beluga whales. For an additional fee, you can participate in specialty experiences like animal encounters, feedings and behind-the-scenes tours. Shedd Aquarium welcomes over 2 million guests annually. Shedd is more than just a tourist destination, they also work with partners in Chicago and around the globe to protect endangered species and their habitats and rescue and rehabilitate wildlife in need.

**Note:** These attractions are not included in the registration fee and are not a part of the IFC 2020 program.
REGISTRATION INFORMATION

CONGRESS & EXHIBIT REGISTRATION (for September 19-21, 2020)

Congress delegates: The registration fee includes meeting materials, welcome reception, closing dinner, breaks, lunches and associated meeting costs. The fee does NOT include hotel accommodations. Partial program fees are not permitted or available. Payment must be received in advance to be officially registered. Substitutions are permitted.

Accompanying persons: The registration fee provides attendance to the Opening Reception at The Museum of Science and Industry, and the Closing Banquet at Marriott Magnificent Mile Downtown only. The fee does NOT include any additional meals or hotel accommodations. Payment must be received in advance to be officially registered to attend the opening reception and closing banquet.

INTERNATIONAL VISITORS

Official Language

Please note that English is the official language of IFC 2020. All printed and electronic information related to the event will be available in English only. All presentations at the event will be in English, and all documents distributed at IFC 2020 will be in English only. All directional signage at the host hotel will also be in English only.

Obtaining a U.S. Visa

Visit https://travel.state.gov/ on the internet. This website can help you find the information about current visa policy and procedures quickly and easily, based on your own situation and circumstance. IFC is unable to influence or assist in visa application. However, if your country requires a Letter of Invitation from IFC 2020 authorities, please contact or e-mail angela@forging.org requesting said letter.
CANCELLATION POLICY

Delegate registration fees are non-refundable. Individual delegate substitutions must be submitted in writing by July 1, 2020. Plant tour fees are non-refundable. Individual plant tour substitutions only. Individual plant tour substitutions must be submitted in writing by July 1, 2020.

PROGRAM ORGANIZER & HOST

Forging Industry Association
1111 Superior Ave., Suite 615
Cleveland, Ohio, USA 44114
Phone: (216) 781-6260
Fax: (216) 781-0102
Web: www.forging.org

For more than 106 years, the Forging Industry Association (FIA) has been helping forging companies in North America to increase their global competitiveness. FIA’s producer member companies manufacture approximately 75% of the custom forgings volume produced in the United States, Canada and Mexico. Its supplier members manufacture materials and provide services used by the forging industry. Together, FIA’s 200 members comprise the only trade association dedicated to promoting and serving the forging industry in North America.
FIA & FIERF LEADERSHIP

2019 - 2020 FIA BOARD OF DIRECTORS

Chairman:
Alex Jennings, President, Specialty Ring Products, Inc.

Vice Chairman:
Kurt Ruppenthal, Vice President & Chief Manufacturing Executive, Weldaloy Products Company

Gerald Bornman, Executive Vice President, Aluminum Precision Products
Jeff Klingerman, General Manager, ATI Specialty Materials
David Mesick, President, Milwaukee Forge, LLC
Joseph Cipriani, President, Keystone Forging Company
Mike Gill, President, LASCO Engineering Services, LLC
John Pale, Senior Manager Manufacturing Engineering, American Axle & Manufacturing, Inc.
Robert Dimitrieff, President, Patriot Forge Company
Chelsea Lantto, Director of Manufacturing, Trenton Forging Company
Douglas G. McIntyre, President & Chief Executive Officer, Weber Metals, Inc.
Greg Timmons, Vice President – Legal, General Counsel & Secretary, Ellwood Group, Inc.

2019 - 2020 FIERF BOARD OF TRUSTEES

President:
Suzanne Tkach, Managing Member & Owner, Tkach Consulting LLC

Vice President:
Raymundo Ordonez, PhD Metallurgist, Ellwood Materials Technologies

Dan Cavanagh, President, MacLean-Fogg Components Solutions
Mark Marcucci, President, Gerdau (GSN)
Chet Van Tyne, Professor Emeritus, Colorado School of Mines
Sascha Kleine, Vice President – Factory Planning, Weber Metals
Robert Brodhead, Director of Engineering, American Axle & Manufacturing, Inc.
Gregory J. Heim, Chief Financial Officer, Modern Forge Indiana, LLC
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