

Call for Papers

The Technical Committee is keen to invite researchers, technicians and professionals to present technical papers for the working sessions to be held at the 72nd World Foundry Congress.

The overall theme of the congress is " High Quality of Castings ", with an open wide range of technical areas:

- **Ferrous casting production and metallurgy** (grey and ductile cast iron, alloy irons, steels and alloy development);
- **Non-ferrous casting production and metallurgy** (aluminum, magnesium, titanium, other non-ferrous, alloy development and metal-matrix composites)
- **Die casting**
- **New casting applications**
- **Challenges and perspective on the foundry industry**
- **Control of quality**
- **Simulation and modeling**
- **Mold and coremaking technology**
- **Patternmaking and toolmaking**
- **Robotics and automation**
- **Heat treatment**
- **Novel finishing methods**
- **Energy saving and environmental protection**
- **ERP in foundries**
- **People and skills for today's industry**
- **Technology transfer and knowledge management in foundry industry**

■ Deadline for submission of abstracts > May 29, 2015

■ Notification of acceptance > August 31, 2015

■ Deadline for submission of manuscripts > November 30, 2015

Contact Us wfc2016@convention.co.jp

About Nagoya

Nagoya is located at the center of Honshu (the main island of Japan) with a population of 2.24 million. Thanks to the rich water resources of the Kisogawa, Nagaragawa and Ibigawa Rivers, the fertile land have enjoyed the blessings of the rivers, and other advantages including good transportation links, and its people have lived affluent lives since early days. Nagoya has a long history and is the birthplace of three notable feudal lords, Oda Nobunaga, Toyotomi Hideyoshi and Tokugawa Iyasu. Also in Nagoya, traditional industries such as ceramics and textiles, and today's key industries such as automobiles, aviation and machine tools have developed, and Nagoya plays an important role in Japan's industrial society. Nagoya is key area of the Japanese foundry industry, and is now attracting attention from all over the world.



Venue

Port Messe Nagoya

(2-2, Kinjyo huto, Minatoku, Nagoya)

Organizers

Committee

Chairman
Co-Chairman
Secretary General

Shoji Kiguchi
Kazuhiko Terashima
Kiyohiko Hosoda



The 72nd World Foundry Congress

May 21-25, 2016
Port Messe Nagoya
NAGOYA JAPAN



World Foundry
Organization



Japan Foundry
Engineering Society

www.wfc2016.jp

Invitation letter

Dear Colleagues,

You are cordially invited to participate in the 72nd World Foundry Congress 2016 (WFC2016) to be held in Nagoya, Japan, on 21-25th May 2016.

This intellectually and professionally stimulating biennial congress offers you a golden opportunity to meet fellow foundrymen from all over the world and exchange ideas in order to develop a common vision for the future of the global foundry industry.

The WFC2016 will have presentations of technical papers and meetings as well as enjoyable social events, through which you can learn more about traditional Japanese culture.

We appreciate the strong support from the World Foundry Organization (WFO).

As the host, we are working toward a successful WFC2016 that will be able to make a great contribution to the world cast metals industry.

The WFC2016 will be held in Nagoya, Japan's third largest metropolitan region located on central Honshu. Nagoya is known as one of the centres of the manufacturing industry and also for its famous historical castle. Nagoya Castle, built by the first shogun of the Tokugawa shogunate, has a pair of golden shachihoko (carp-like mythical animals) on its roof, and they have become the symbol of Nagoya.

We look forward to seeing you in Nagoya.

Shoji Kiguchi, Dr. Eng.
Chairman
of the Organizing Committee
of the WFC2016

Program

■ May 21(Sat.), 2016	Registration • Welcome Party
■ May 22(Sun.), 2016	Opening Ceremony Special Lecture Technical Session Welcome Dinner
■ May 23(Mon.), 2016	Technical Session • Banquet
■ May 24(Tue.), 2016	Technical Session Closing Ceremony Foundrymen's Night
■ May 25(Wed.), 2016	Work Visit
■ May 22(Sun.) -24(Tue.), 2016	JAPAN FOUNDEX 2016

1. Special Lecture

With the theme of the special lecture "Present and future of the casting industry in Japan," we will give a speech on the casting industry's activities, and the development of a new casting technology to strengthen international competitiveness.

2. Technical Session

In the technical session, we will offer the following events to promote technological exchanges.

2.1 Special Session

As the special session, we will organize a session on cast defects by Japanese researchers and engineers who will produce a research report on cast defects. Moreover, we will also organize a technical session given by the recipients of awards (Toyota prize, Kusaka prize, etc.) in Japan Foundry Engineering Society.

2.2 Keynote Lecture

The keynote lecture will feature prominent professors related to the casting industry discussing the melting of cast iron, casting simulation, alloy cast iron and strength of cast iron, before each lecture session. The lecturers will give a talk on the latest developments in the each research field.

2.3 General Sessions

Speakers are divided into various fields. The participants will be

able to engage in lively discussion in the sessions on Metallurgy and ferrous casting production (grey and ductile cast iron, alloyed irons, steel); Non-ferrous casting production (aluminum, magnesium, titanium, other non-ferrous alloys); Quality control; New casting applications; Foundry engineering; Simulation and modeling; Mould and core making technology; Machinery, tools and pattern making; Automation and robotics; Heat treatment; Energy saving and environmental protection; Die casting; Lost foam; Investment casting; ERP in Foundries; New refractory technologies.

2.4 Poster Session

The Poster presentation session provides authors a valuable opportunity to present papers and meet with interested participants for in-depth technical discussions. The poster session include discussion time in which the presenters can talk with the participants at the front of each poster.

3. JAPAN FOUNDEX 2016

As a meeting point for technicians and professionals, national and worldwide companies will present their latest innovations, facilities and products in the exhibition. Moreover, the Japanese foundry-related-companies will introduce technologies and products associated with the topic "Manufacturing Technologies in Japan," and we will set up booths displaying leading-edge technologies in industry-academia-government collaborations and academic laboratories. The participants will discover new horizons and be able to expand their business activities in JAPAN FOUNDEX 2016.

4. Social Events

As the social events for tighter relations between participants, a welcome party, welcome dinner, congress banquet and Foundrymen's night will be held in WFC2016. Participants will be entertained in each ceremony by musical and dance performance of Japanese traditional arts shamisen and Yosakoi Soran, and a performance by a Japanese violinist. Participants will enjoy the best and internationally recognized gastronomies, traditional Japanese culture and music.

5. Work Visit

The work visit will offer participants an excellent opportunity to have direct contact with the Japanese foundry industry. Different itineraries will be organized to a wide range of facilities that will cover different materials and working processes.