

# 71<sup>st</sup> WORLD FOUNDRY CONGRESS

*"Advanced Sustainable Foundry"*

19<sup>th</sup>-21<sup>st</sup> May 2014

Bilbao, Spain



## CALL FOR PAPERS

The 71<sup>st</sup> World Foundry Congress will take place at the Euskalduna Conference Centre, Bilbao (Spain), between 19<sup>th</sup> and 21<sup>st</sup> of May 2014.

Held every two years, the World Foundry Congress is a highly renowned and prestigious technical event attracting experts, leading professionals and researchers from the global cast metal industry. It represents a major opportunity for companies, technical centres, universities and individuals to network on an international scale. The congress will offer casting producers, researchers, customers and suppliers the possibility to showcase the latest developments within a worldwide audience.

The members of the Scientific Committee are keen to invite works that will appeal to the foundry industry as well as researchers, technicians, metallurgists and casting manufacturers, among others.

Papers must either report an original research work, the detailed description of the latest knowledge within a specific field, or present an industrial/engineering process development. Their quality must be of interest for an international audience.

Authors are allowed to submit more than one paper to the Congress.

The 71<sup>st</sup> World Foundry Congress selected theme is **"Advanced Sustainable Foundry"**, although papers may cover a wide range of topics within the following areas:

- Environment and sustainability.
- Cast Iron (spheroidal, lamellar and vermicular graphite cast iron, austempered ductile iron and alloyed irons).
- Cast Steel.
- Non ferrous and light alloys (aluminium, magnesium, titanium, other non-ferrous alloys and metal matrix composites).
- Foundry technologies, manufacturing equipments, robotics and automation.
- Energy.
- Advanced engineering: design, calculation and simulation tools.
- Heat, cryogenic and surface treatments.
- Moulding, core making and rapid prototyping technologies.
- Pattern and tool making.
- Management, education and training.

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## YOUNG RESEARCHERS

The 71<sup>st</sup> World Foundry Congress will also encourage the participation of young researchers and PhD students, offering them the opportunity to assume an active role and to present their research works in this specialised international technical event. A special "Young Researcher Award" will recognise the best paper among participants. We therefore welcome young participants as the future leaders of the foundry industry.

### Eligibility criteria

- All students preparing a PhD who are enrolled on their first PhD course at the time of the abstract submission deadline.
- Researchers who have successfully defended their first PhD, and subsequently have up to five years' experience.
- Graduate students who are enrolled on Masters courses directly related to the metal-mechanic industry at the time of the abstract submission deadline.
- Professionals with less than five years' experience, who work in foundry companies, knowledge centres, technological platforms and universities, among others.
- In all of the above mention cases, candidates must be 35 years old or below.

## FORMAT

The abstracts should be written in English, summarise the work carried out and provide the main conclusions and findings as well as the significance of the work to the industry.

Abstracts should be limited to 500 words and contain only text; no figures or tables should be included. The text shall be typed using 12 point Arial in a single line spacing.

## REGISTRATION & SUBMISSION

Authors are requested to register their abstract submission through their national World Foundry Organization representatives. Full directory and contacts from each WFO Member Country is available at [www.thewfo.com](http://www.thewfo.com)

Authors from countries that do not belong to the WFO should submit their abstracts directly to the following email address: [papers@71stwfc.com](mailto:papers@71stwfc.com) before 28<sup>th</sup> of June 2013.

After abstract acceptance, authors are requested to send the full written papers by 29<sup>th</sup> November 2013.

Further detailed information regarding the Call for Papers will be available on the official website of the Congress [www.71stwfc.com](http://www.71stwfc.com)

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## SELECTION OF PAPERS

The selection of the papers shall be carried out by the 71<sup>st</sup> World Foundry Congress Scientific Committee in accordance to the WFO and the Congress Organisation guidelines.

Abstracts will be reviewed for technical and scientific merit according to the above mentioned guidelines. Preliminary acceptance of abstracts shall be communicated to the author/s before 29<sup>th</sup> of July 2013.

The World Foundry Organization will hold the exclusive copyright for the publication of those papers accepted in the Congress for a period of 12 months after the international event.

## KEY DATES

Submission of abstracts:	28 <sup>th</sup> June 2013
Abstract acceptance and notification to authors:	29 <sup>th</sup> July 2013
Submission of full paper:	29 <sup>th</sup> November 2013
Definitive paper approval:	31 <sup>st</sup> January 2014

## PROCEEDINGS

Papers selected by the Scientific Committee, either for oral or for poster presentation, will be included in the proceedings, which will be available with the documentation of the Congress. The proceedings will include an ISBN, among other information. Papers may also be selected for further publications at the discretion of the Organisers.

## CONTACT DETAILS

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