

First Announcement / Call for Papers

# **STEELSIM 2017**

**7<sup>th</sup> International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking**

Qingdao, China  
August 16-18, 2017

Organized by



The Chinese Society for Metals

[www.steelsim2017.com](http://www.steelsim2017.com)



# *Introduction*

7<sup>th</sup> International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking (STEELSIM2017) will be held on August 16-18, 2017 in Qingdao, China. STEELSIM is a serial international conference which has been held every two years since 2005.

Nowadays, the important role of modelling and simulation of metallurgical processes has achieved worldwide acknowledgement, especially in optimizing technological processes, reduce production costs and increase steel quality. Powerful computational methods provide an in-depth understanding of experimental findings and guide further experimental work. Modelling and simulation promise possible solutions, even breakthroughs, for the development of steel industry in future.

Steelsim2017 will be an excellent venue for the academia, researchers and engineers all around the world to exchange state-of-the-art development and information on issues related to modelling and simulation of metallurgical processes. We kindly invite you to participate in this meaningful conference and are looking forward to meeting you in the beautiful summer – the best season in Qingdao.

# *Background*

- Ø STEELSIM 2005 Brno, Czech Republic
- Ø STEELSIM 2007 Graz, Austria
- Ø STEELSIM 2009 Leoben, Austria
- Ø STEELSIM 2011 Dusseldorf, Germany
- Ø STEELSIM 2013 Ostrava, Czech Republic
- Ø STEELSIM 2015 Bardolino, Italy

# *Topics*

## **Modelling and Simulation of Liquid Metals**

- Ironmaking and steelmaking
- Refining of steels and other metal alloys
- Thermodynamics and kinetics
- Casting and solidification
- Electrochemistry of metals and slags

## **Modelling and Simulation of Metal Forming**

- Metal forming processes and thermo-mechanical treatment
- Heat treatments

## **Materials Design**

- Steel design and product development
- Physical metallurgy of steels
- Materials computation and prediction
- Big data, data mining and applications

## **Performance, Application and Environmental Impact**

- Welding
- Fatigue and other safety criteria
- Reduction environmental impact and life cycle assessment

## *Scientific Program Committee*

Details will be provided at a later date.

## *Abstract Submission*

All contributions on the theme of the Conference as described previously are welcome.

Prospective authors are invited to submit an abstract of 300 words (in English) **by 30 November 2016** to the conference secretariat. The abstract is requested to provide sufficient information for a fair assessment.

There are two ways to submit papers:

• to fill in the attached reply form and return it to the conference secretariat by e-mail:

[steelsim2017@csm.org.cn](mailto:steelsim2017@csm.org.cn) or [steelsim2017@csmorg.cn](mailto:steelsim2017@csmorg.cn)

• to fill in the form on the conference website: [www.steelsim2017.com](http://www.steelsim2017.com)

## *Official Language*

The official language of the conference is English.

## *Exhibition, Workshop & Sponsorship Opportunities*

As the integral elements of the event, STEELSIM2017 will feature the exhibition and workshop

that will enable excellent exposure for company products, technologies, innovative solutions or services. The exhibition and workshop will be organized near the meeting room during STEELSIM2017. The conference will offer an excellent opportunity for companies to do business and maintain key contacts with customers and suppliers. It is also a unique platform for them to promote new products, outline services and highlight key achievements.

Companies will be able to reinforce their participation and enhance their corporate identification by taking advantage of the benefits offered to them as sponsors of the conference.

If you would like to join those activities, please contact the conference secretariat for more details.

## *Conference Secretariat*

Prof. Qing SONG, Mr. Xin ZHAO

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The Chinese Society for Metals

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Website: [www.steelsim2017.com](http://www.steelsim2017.com)

## *Attachment: About Qingdao*

Qingdao, located in the southeast part of Shandong Province, is a beautiful seaside city with clear air and enchanting sea view. This city, bordered by the Yellow Sea on two sides, has the largest bathing beach in Asia and produces the mellow Qingdao Beer. To the east of the city, a short distance across the Yellow Sea, lie Korea and Japan, making the city an important port for international trade.

The red roofs, green trees, blue sea, and azure sky form a bright and colorful picture of Qingdao. The city is sometimes known as the Switzerland of the Orient. Surrounded by the sea on three sides, Qingdao attracts many tourists with its charming seascape. Sights like the Eight Passes Villas, Wusi Square, the Zhan Bridge, Mt. Laoshan, No.1 Bathing Beach, Badaguan Scenic Area will help you remember the city. Just walking on the sand and listening to the surf breaking on the beach becomes enjoyable.

Qingdao offers food with distinctive flavors--especially seafood. So take this chance to enjoy the delicious seafood. Also, the city is the home of the famous Qingdao (Tsingtao) Beer. Have a bottle of pure Qingdao Beer right here. The Qingdao Municipal Government recognizes the importance of the tourism industry and has further plans to develop the local tourism. To enhance the tourism industry, the city now sponsors the Qingdao International Beer Festival, the Qingdao International Sea Festival, Beach Culture Festival, the Sea Affection Festival, and the Summer of Qingdao Festival.



# Reply Form

Please complete the following form and return it together with your abstract to the conference secretariat by

e-mail: [steelsim2017@csm.org.cn](mailto:steelsim2017@csm.org.cn) or [steelsim2017@csmorg.cn](mailto:steelsim2017@csmorg.cn)

Title:            Mr.                Ms.                Dr.                Prof.

Family Name:\_\_\_\_\_First Name: \_\_\_\_\_

Position:\_\_\_\_\_Affiliation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Post Code:\_\_\_\_\_

City: \_\_\_\_\_Country:\_\_\_\_\_

E-mail: \_\_\_\_\_

Telephone: \_\_\_\_\_Fax: \_\_\_\_\_

I plan to submit a paper - preference for:     oral presentation  
   poster presentation

I am interested in attending the conference

I wish to receive information on the Exhibition

I wish to receive information on Conference Sponsorship Opportunities

**Authors**\_\_\_\_\_

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**Title**\_\_\_\_\_

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**Topics keywords**\_\_\_\_\_

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**Abstract: a 300 words abstract must be included**