Scope

The HMnS 2021 is the 5th international conference covering all scientific and technical aspects of medium and high Mn steels. In this conference, the topic of high Mn Nitrogen steels will also be included. After the success of the previous HMnS conferences in Seoul (2011), Aachen (2014), Chengdu (2016) and again Aachen (2019), the HMnS2021 will move to Linz, Austria. Here, many researchers intensively deal with research and development of medium and high Mn steels. Therefore, we intend to offer an international forum to this specific point of interest.

Medium and high Mn steels exhibit complex deformation mechanisms, leading to an extraordinary combination of mechanical properties. Austenitic single-phase high Mn steels, austenitic high Mn Nitrogen steels and multi-phase medium Mn steels between 3-30 wt-% will be addressed to cover the ongoing scientific and industrial developments in the design of Mn-rich high-strength steels. The HMnS2021 will bring together international scientists and engineers to discuss the understanding of the underlying physical phenomena and possible answers to relevant technical challenges.

We intend to address participants from both industry and scientific institutions. Oral sessions will range from fundamental aspects to final application. In addition, a conference tour, included in the program, will present a globally unique adventure world dedicated to steel, voestalpine Stahlwelt, along with the voestalpine plant visit.
Program

June 7, 2020 (Mon) Evening: Registration, Welcome Party
June 8 (Tue) Morning: Opening Ceremony
Afternoon: Conference/Keynotes
June 9 (Wed) Morning: Conference/Keynotes
Afternoon: Excursion voestalpine Stahlwelt including plant tour
Evening: Conference Dinner
June 10 (Thu) Day: Conference/Keynotes
Evening: Farewell Party

Regular participant: EUR 990,--
Early Registration (March 31, 2020): EUR 890,--
Undergraduate student: EUR 400,--

Those who are active in the areas of medium Mn, high Mn and high Mn Nitrogen steels are invited to submit abstracts. The official language of the conference is English. An abstract with 200 to 300 words should be submitted until November 30, 2020 online via the conference website. A notification of acceptance for oral presentation will be sent after the abstracts are reviewed by the scientific committee. The authors of accepted abstracts are kindly asked to submit a 4-page extended abstract for the conference proceedings. Authors of selected papers will be invited to publish a contribution in a special issue of the Journal Steel Research International (SCI journal).
Conference Venue

Linz with more than 200,000 inhabitants is the capital of the province of Upper Austria nestled in a beautiful natural landscape by Danube. The designation of the European Capital of Culture 2009 along with being one of the most successful economic areas in Austria makes Linz an international creative city of culture and industry. Linz lies on the west-east axis between Vienna and Salzburg, while the Austrian Alps, Germany and Czech Republic are within short travel distance.

Conference venue is the voestalpine Stahlwelt (steel world), a globally unique exhibition center dedicated to steel. From the top of the building, you can gain a spectacular view over the largest industrial site in Austria, while the guided plant tours are supposed to give you a glimpse behind the scenes of steel production.
Accommodation

Numerous hotels are available in Linz, which can be found at the conference website.

Conference Chairmen

Prof. Reinhold Schneider  University of Appl. Sci. Upper Austria, Austria
Prof. Daniel Krizan  voestalpine Stahl GmbH, Linz, Austria

Contact Information

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Local Organizing Committee

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