

International workshop

Production of metals using natural gas

2014

Trondheim, Norway 9 - 10 September

CALL FOR ABSTRACTS

Call for abstracts:

The wider use of natural gas as a substitute for coal and/or coke and fuel oil in the metallurgical industry has the potential to lower energy consumption and environmental impact, while in some cases simultaneously increasing product quality. It is not surprising therefore, that the topic has received renewed attention from industry and academia around the world, and we feel the timing is right to organise an event especially dedicated to the subject. The greater availability of natural gas as LNG adds to the potential interest in this commodity.

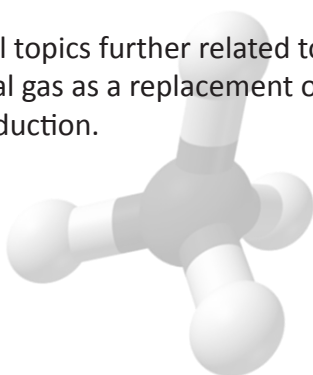
The aim of the workshop is to create a forum for the discussion of the latest ideas, processes and results, as well as to correlate academic research with the challenges of industry.



To this end, we invite you to submit abstracts pertaining to the application of natural gas in all areas of metal production including: iron and steel, ferroalloys, base metals, light metals and others. Both fundamental studies and industrial applications are of interest with a focus on the following general topics:

- Technologies for metal production using natural gas
 - Current industrial uses and challenges
 - New technologies under development, novel ideas
- Solid state reduction of ores using syngas and/or natural gas
- Pre-reduction of metal ores
- Use of natural gas in aluminium and other electrolytic processes
 - Including gas anodes as well as other approaches
- Natural gas as a source of solid carbon for carbothermic reduction
- Use of natural gas directly as the reducing agent in metallurgical processes
- Social, economic and environmental consequences and benefits.
 - Clustering and synergies with co-location of different industries

Plus: General topics further related to the increased use of natural gas as a replacement of coal and coke in metal production.



Each abstract should be a maximum of one A4 page and include:

- Full paper title
- Full name, affiliation, e-mail and phone-number for one author.
- Full names and affiliations for all other authors.
- Name of presenter
- Short overview of the paper to be presented, including purpose, approach, and conclusions.

If the authors deem it necessary, 1-3 additional explanatory pages with more detailed information about the work may also be included.

Send your abstracts to

abstracts.gastometal2014@sintef.no within July 30.

Confidentiality and publication: While we encourage an open workshop where information is freely shared, we understand the need and desire of certain speakers to limit the distribution of written information. No submitted abstracts will be perused by anyone outside the programme committee without the explicit consent of the author. Only the paper title and the names of authors will be published on the workshop web-page.

All authors are invited to prepare a manuscript of their paper for publication in the workshop proceedings. In addition, a selection of the most interesting and highly topical abstracts will be invited to submit for publication in a special edition of a leading international journal.

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