



International online conference

Digitalization of industrial thermal processes and units



13:55

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Section 1: Computer simulation

Development of steel ladle lining on the wear profile

Wear observations and demolition measurement are important indication for improvement of the ladle life and safety for the user. There are several typical wear patterns of the ladle lining, indicating the need to change the structure of the lining and material properties in the area of the chemical composition of raw materials, the type of binder, granulation and microstructure, as well as the selection of the type of products and shapes of bricks.

Characteristic images of zonal wear under the influence of local factors in a given area indicate the need to introduce zonal lining with materials adjusted to this factor. Examples of wear images based on scans and photographs after campaign as well as examples of solutions to local wear problems and modifications to the lining structure for mechanical and thermomechanical factors are given.

There may be changes in the time schedule.
See the current information on the [website](#)

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