

The 101st ISIJ Meeting Programme

Poster Sessions

— IRONMAKING —

April 3, 1981 10:00~12:00

- 1 Technical development on nuclear steelmaking plant—III. (Commercial plant).
Toshihiro Inatani, *et al.* S1
- 2 Mathematical modeling of natural convection of molten iron in the blast furnace hearth and prediction of
hearth erosion. Fumiaki Yoshikawa, *et al.* S2
- 3 COM injection into blast furnaces. Tomio Miyazaki, *et al.* S3
- 4 Measurement system of BF raceway applying high speed shutter ITV. Katsujiro Watanabe, *et al.* S4
- 5 Some characteristic phenomena during cutting oil injection to all coke operation.
Yutaka Yamada, *et al.* S5
- 6 All coke operation with high flame temperature of Tobata No. 4 B.F., Nippon Steel Corp.
Kazuyoshi Shimano, *et al.* S6

— STEELMAKING —

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- 7 Development of top and bottom blowing process in BOF. Seiichi Masuda, *et al.* S7
- 8 Development of LD process with circulating lance (LD-CL process) and top/bottom combined blowing
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- 9 Development of the top and bottom blowing converter (LD-OTB). Masahiko Ōgami, *et al.* S9
- 10 On the metallurgical characteristics of large LD-OB converter. Syozo Murakami, *et al.* S10
- 11 Mechanism of dephosphorization of hot metal in Q-BOP. (Development of pretreatments of hot metal
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— PLASTIC WORKING AND OTHER FABRICATION PROCESSES —

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- 13 An experimental study on extending width of a slab in a hot strip mill. Takashi Ariizumi, *et al.* S13
- 14 Study on width control system in hot strip mills. Tetsuo Kajiwara, *et al.* S14

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- 16 Stress corrosion cracking of high purity 19Cr-2Mo steel in 3%NaCl solution at 80°C.
Shigeo Tsujikawa, *et al.* S416
- 17 The sensitization and its effects on the susceptibility of stainless steels to stress corrosion cracking in high
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- 18 Effect of misorientation on intergranular corrosion and intergranular stress corrosion cracking of type
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- 19 Effects of Nb or Ti stabilization on the formability, corrosion resistance and weldability of
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- 20 A quantitative evaluation of fracture toughness of type 4340 steel causing ductile-brittle mixed fracture
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- 21 Stress corrosion cracking of spot-welded specimens of austenitic stainless steels in dilute NaCl
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- 22 Rupture strength and creep fracture mechanism diagram of type 304 stainless steel.
Junro Kyono, *et al.* S422

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- 23 Relation between solid solution strengthening and substructure of carbon free 25Cr-35Ni steels with additions of Group VIb elements. Masao Takeyama, *et al.* S423

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- 4 Burden distribution model considering the mixed layer formation in the center of the blast furnace. Yoshimasa Kajiwara, *et al.* S18
- 5 Properties of burden distribution on the bell and the bell-less top charging. Ken-ichi Sato, *et al.* S19
- 6 Simulation of burden distribution in bell-less top charging. Ken-ichi Okimoto, *et al.* S20
- 7 Mathematical simulation of burden distribution in blast furnace. Toshimitsu Koitabashi, *et al.* S21
- 8 Fundamental characteristics of burden and gas distribution under conditions of 30% pellets. (Studies on the control of burden and gas distribution in blast furnace shaft—VI). Tatsuro Ariyama, *et al.* S22
- 9 Effect of the wear of refractory on the descending behavior of burden studied by a cold slice model. (Study on the descending behavior of burden in the peripheral part of blast furnace—I). Seigi Matsuda, *et al.* S23
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- 11 Top pressure recovery common turbine at Wakayama Nos. 2 & 3 blast furnaces, Sumitomo Metal Industries, Ltd. Takahisa Miyake, *et al.* S25
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