



The 1st International Symposium on Iron Ore Agglomerates (SynOre2022)

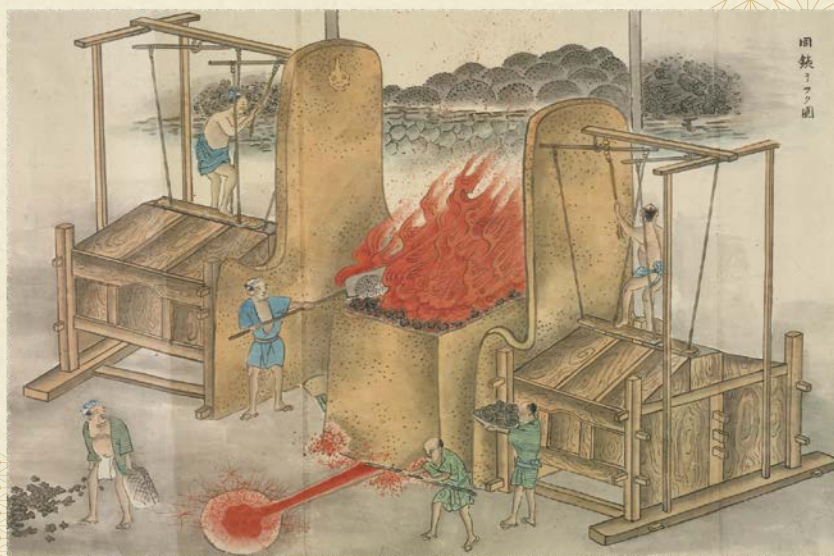
November 22-25, 2022

KUNIBIKI MESSE
Shimane Prefectural Convention Center, Japan



Important Dates

Abstract submission	March, 2022
Notification of acceptance	May, 2022
Full paper submission	July, 2022
Early bird registration	August, 2022



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In the early modern times through the Edo period, "Tatara" ironmaking technology had significantly developed in "Chugoku District around Izumo-Matsue Region", Shimane prefecture. "Tatara" means a stepping bellows to blow air to the furnace.



Organized by:
The Iron and Steel Institute of Japan, ISIJ

<https://synore2022.com>

Introduction

The conference will provide the first opportunity for researchers and engineers in the field of ironmaking to focus on comprehensive and dedicated presentations and discussions regarding the iron ore agglomeration processes and the properties of agglomerates. It will contribute the advancement of the agglomeration technology vital for high efficiency operation of the blast furnace. The conference will be held in Matsue City, a typical mythological place, located in the northern region of Western Japan. It is apposite to the venue of the conference since the traditional ironmaking technology called "Tatara" has been alive there since long ago, which has produced high-quality steel, known as "Tama-Hagane".

Eiki Kasai,
Chair of SynOre2022, Tohoku University

Topics

- 1 Raw Materials:** Iron ore resources, Beneficiation technology, Fluxing materials
- 2 Pre-treatment of Raw Materials:** Mixing & granulation, Granule design, Charging
- 3 Sintering Process:**
Agglomeration agents, Ignition technology, Sintering reactions, Bed-structure change, Yield & productivity, Exhaust gas treatment
- 4 Metallurgical Properties of Agglomerates:**
Microstructure, Strength, Reduction disintegration, Reducibility, Softening & melt-down properties
- 5 Historical Development on Iron Ore Resource Utilization:**
Iron mine, Iron sand, Ancient ironmaking technology, Remains & ruins

Tentative Schedule

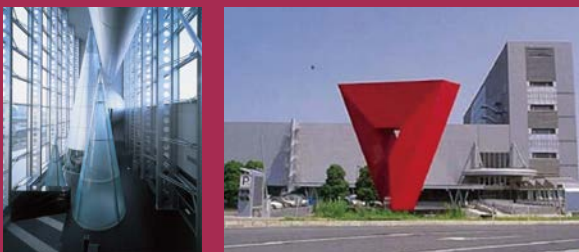
- Tue 22 November** ▶ Registration and Welcome party
- Wed 23 November** ▶ Technical sessions
- Thu 24 November** ▶ Technical sessions
- Fri 25 November** ▶ Technical tour

*Special excursion to Iron History Village and Banquet at YUUSHIEN will be announced as soon as the schedule is fixed.



Conference Venue

KUNIBIKI MESSE Shimane Prefectural Convention Center
<http://www.kunibikimesse.jp/14.html>



KUNIBIKI MESSE is in Matsue city, the capital of Shimane prefecture in Southwest Japan where is at a walking distance of 7 minutes from JR Matsue Station.

Matsue has some famous sightseeing spot, for example Lake Shinji, Matsue Castle, picturesque traditional Japanese street where are one to two kilometers from JR Matsue Station.



Contact Us

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