



Contribution ID: 17

Type: **Oral Presentation - Full Paper will be submitted**

Utilizing an AI counting system for shipping deformed steel bars

Wednesday, 21 May 2025 16:10 (20 minutes)

The number of deformed steel bars is checked visually by human at the end of each product in each bundle. For this reason, in the case of thin-diameter product bundles in which the number of products in one bundle is large, not only is the burden on workers high, but the time required for the work also leads to a decline in shipping efficiency.

This time, by utilizing this technology and constructing a number management system that uses image recognition of end surfaces, we have reduced work time by 76% compared to the conventional method.

Keyword: AI, deformed steel bar, shipment, reduce workload

Speaker Country

Japan

Are you interested in publishing the paper in a Steel Research International special issue?

No

Primary authors: Mr KAWAKATSU, Ryuuji (Tokai Steel Corporation); Mr TANAKA, Takeshi (Tokai Steel Corporation); Mr SUEYOSHI, Akira (Tokai Steel Corporation)

Presenter: Mr KAWAKATSU, Ryuuji (Tokai Steel Corporation)

Session Classification: Industry 4.0: Automation, modelling and on-line process analyses

Track Classification: Industry 4.0: Automation, modelling and on-line process analyses