



Contribution ID: 491

Type: **Keynote Presentation**

Enhancing Integration in the Metals Industry: A Convergence Strategy to Software Architecture

Wednesday 8 October 2025 16:30 (20 minutes)

The metals industry is confronted with significant optimization potentials stemming from a fragmented software architecture that has grown incrementally, often resulting in isolated or duplicated functionalities. This situation impedes effective data management and seamless integration between Level 2 and Level 3 applications. To tackle these issues, a platform convergence strategy is suggested, focusing on the development of a modular architecture that improves integration, configurability, and scalability, thereby enabling seamless communication between applications. This transformation aims to unify the user experience and streamline operations, facilitating progress towards comprehensive production optimization. The solution must cater to the demand for a uniform software environment, promoting sustainable partnerships and continuous innovation.

Primary authors: Ms GREVEN, Daniela (SMS group); LIERSCH, David (SMS Group); Mr MAIA, Thiago (SMS group)

Presenter: LIERSCH, David (SMS Group)

Session Classification: Digitalization, AI & Process Modeling

Track Classification: Steelmaking - Electric steelmaking