



April 2021 - Our 101<sup>st</sup> Year

## ASM Virtual Technical Session

### FERROUS POWDER PRODUCTION AND APPLICATIONS

- Speaker:** Andrew Bettin
- Date:** Monday, April 19, 2021
- Time:** Login 7:15 PM, Presentation 7:30 PM
- Duration:** Approximately one hour, questions and answers to follow
- Registration:** Please contact Rick Gordon [c.richard.gordon@gmail.com](mailto:c.richard.gordon@gmail.com) by 4/15/2021. Meeting login information will be sent to all who register.

#### Abstract:

Metal powders had been used for centuries as a way to produce tools and jewelry before technology allowed for the melting of metals. Today, metal powders are used to create complex parts through a press and sinter process, allowing for processing advantages and unique alloying options. This presentation focuses on ferrous metal powders, alloys, and related technologies. The presentation will include information on the production of metal powders, the press and sinter processes, and the advantages and limitations of powder metallurgy.



#### About the speaker:

**Andrew Bettin** is a graduate of the University of Illinois at Urbana-Champaign with a bachelor of science degree in Materials Science and Engineering, concentrated in metallurgy. He recently received his MBA from the same institution. Andrew began his career working as a quality metallurgist at the Gerdau Beaumont Texas Steel Mill and then as the plant metallurgist at Leggett and Platt's Sterling Steel Mill in Sterling IL. Both facilities were mini-mill facilities producing steel wire rod. In his current role, Andrew is the Technical Sales Manager for Rio Tinto's Metal Powder Division. He is responsible for sales and technical services of ferrous metal powder. In this role, Andrew acts as a liaison between customers and Rio Tinto's commercial, research and development, production, and quality departments.