



**November 2012**  
**ASM/AFS Meeting**  
**Monday, November 12**



## **Introduction of Continuous Bloom Casting and In-Line Forging at Timken's Faircrest Steel Mill**

**Kenneth Miller**  
Timken  
Canton, Ohio

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**Date:** Monday, November 12, 2012

**Location:** Barracks' Cater Inn, 1224 W. Pioneer Parkway, Peoria, IL 61615

4:30-5:30 Social Hour

5:30-6:00 Dinner

6:00-7:00 ASM Technical presentation

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Free Parking is available. The cost of dinner for the ASM members is subsidized and will be \$18 at the door (\$5 students). Non-members wishing to attend can do so for \$24 at the door. ASM/AFS members may purchase a ticket for \$40 that will cover four dinners throughout the 2012-2013 season. **RSVP to Trent Jacobson ([Jacobson\\_Trenton\\_G@cat.com](mailto:Jacobson_Trenton_G@cat.com) or 309.675.0843)**

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**Abstract:** Timken's Faircrest Steel Mill first went into production in 1985 as the first completely new steel mill built in the US since World War II. Since construction, the facility has used its 170 ton electric furnace to melt alloy steel, poured as ingot and rolled into bar as a continuous process. Recently, Timken has initiated a number of significant strategic projects to further enhance the capability of the Faircrest facility. These enhancements include installation of the world's largest vertical bloom caster, an in-line forge press, a new ladle refining station, and a new large bar inspection facility. This presentation will highlight the attributes and technical benefits of these new processes.

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**Speaker:** Kenneth L. Miller is General Manager - Technology and Strategy for the Timken Steel Business. In this role, Ken has direct responsibility for the development and implementation of manufacturing strategies which are aligned with our business and marketing objectives. Ken is currently overseeing \$350M of strategic projects at our Gambrinus and Faircrest Steel Plants, including the world's largest vertical bloom caster, an in-line forge press, a VAD ladle refining unit, a tube inspection & finishing line, and a large diameter bar inspection line. During the past 35 years, Ken has held a number of technology and manufacturing leadership roles in the company's Steel, Industrial and Automotive business units, and Corporate Technology Center. Recent positions include; Director - Manufacturing Technology - Automotive, Director - Bearing Product Development, Director - Corporate Technology Advancement, General Manager - Asheboro Bearing Plant, General Manager - Steel Application Development & Technology Implementation, Manager - Steel Process Research. Ken has a Master of Science and Doctorate in Mechanical Engineering from Case Western Reserve University and is a registered Professional Engineer in the State of Ohio.