

# QUAKER HOUGHTON

Quaker Chemical is a global supplier of process fluid solutions to a wide range of industries. In the steel and aluminum mills, we supply a completely integrated range of products and services, from beginning to end.

Since the 1930's, we have been a leading supplier of cold and hot rolling oils to all of the biggest names in primary metals, continuously strengthening our experience in application and our deep understanding of the installed base of equipment.

Supported by a worldwide organization and information infrastructure, we can offer the fluid solutions to optimize your operations and reduce your total costs.

## Key figures:

**\$1.5 billion sales in 2018**  
**4000 employees worldwide in 78 locations**

### Your benefits:

- Tailor-made solutions for your mill
- Innovative solutions through extensive R&D capabilities and global process expertise
- Peace of mind working with the leading supplier of process fluids to the biggest names in the industry
- Reactive and flexible service thanks to dedicated expert resources

### We offer:

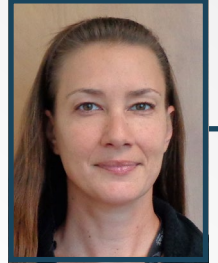
- Tailor-made hot- and cold rolling oils, as well as temper fluids, cleaners, surface treatment products, corrosion preventives, pickler oils, fire-resistant hydraulic fluids and specialty greases
- Continuous optimization and innovation to meet your challenges and the changing needs of the industry

## Topic of the speech:

- Quaker Chemical – Hot Rolling Lubrication  
Assessment of lubrication properties of cold rolling lubricants

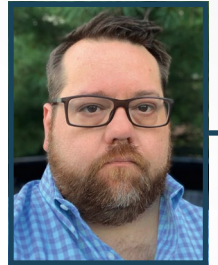
### Speaker:

**Amy Beard**  
Market Manager  
Steel Hot Rolling



### Speaker:

**William Hartley**  
Lead Product Manager  
Cold Rolling



### Speaker:

**Bas Smeulders**  
Research Scientist –  
Primary Metals



## Your local contact:

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