

## **CHEMISTRY IN OIL WELL CEMENTING**

**FANGMANN ENERGY SERVICES PROUDLY OFFERS YOU A GREAT OPPORTUNITY TO ATTEND THIS WORKSHOP**

### **ABOUT THE COURSE**

Cementing is a key factor in the well construction plan. The operating company and the service company personnel should have a good working knowledge of cement slurry design, cement additives, and placement procedures. This course focuses on the chemistry in oil well cementing and presents our lab equipment for testing cement slurries. Furthermore, challenges often encountered during the cementing process will be discussed.

### **YOU WILL LEARN ABOUT**

- 1 Spacer systems and their importance for oil well cementing*
- 2 Cement hydration process and the impact of temperature*
- 3 CEMIII-based slurries and their advantages*
- 4 Working mechanism of cement additives and their interactions*
- 5 Lab testing of cement slurries*
- 6 Challenging conditions and possibilities to accordingly customize the respective cement slurry*

### **LECTURER**

Dr. Nils Recalde Lummer is a Senior Chemist and responsible for New Technologies at Fangmann Energy Services. For the last eleven years, he focused on research and development activities, sales and marketing. He holds a PhD degree in chemistry from the Technical University of Munich. For outstanding scientific studies, the German Society for Petroleum and Coal Science and Technology (DGMK) awarded Dr. Lummer with the Georg Hunaeus Prize.

