Special Issue

Advances in Drilling Fluid Technology

Message from the Guest Editor

Drilling fluids are necessary for well construction. These fluids are the main well integrity items used during the drilling phase. In recent years, more effort has been used to automize parts of the drilling process including drilling fluid handling. This automatization has also made it possible to use more scientifically correct ways of dealing with drilling fluids. Rules of thumb have been exchanged with proper measurements. As a consequence, more advanced properties of drilling fluids can be introduced in the planning phase of well construction. This Special Issue will collect original research or review articles on the recent development of drilling and well fluid technology and relevant technology that can form a basis to improve drilling fluid performance. The preferred subjects for the Special Issue include items like drilling hydraulics, hole cleaning, fluid flow with relevance for drilling fluids, drilling fluid properties, fluid–formation reaction, additives, nanoparticles, gas influx, formation damage, fluid interaction with logging, drilling fluid testing, and displacement to other well fluids. Both laboratory studies and field evaluations are welcome.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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