Special Issue

Oil and Gas Tribology

Message from the Guest Editors

This Special Issue will look at a broad range of application-based case studies and genetic research outputs looking into oil and gas tribology. It will seek to cover friction, wear and lubrication issues of drilling, downhole fluid containment and control, extraction and topside issues associated with handling hydrocarbons and multiphase flows (slurries). Tribocorrosion-related research will also be included. Wear processes such as erosion, abrasion, sliding and galling will be covered and solutions to minimise such mechanisms explored along with modelling approaches for surface selection and degradation processes. Studies involving the tribology of bit-cutter-rock interaction, with or without the presence of drilling fluids are of interest. Applications to pumps, valves, risers, pipelines and cyclones will be included.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants.*

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