



Tribological Challenges in Extreme Environments

Guest Editors:

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Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editors

Dear Colleagues,

Extreme temperature affects viscosity and surfaces characteristics, which are closely related with friction, durability and performance. This Special Issue aims the latest advances in tribological challenges in extreme environments. Contributions are welcome from both academic researchers and their industrial peers, dealing with innovating novel cryogenics applications and revealing compatibilities with other solid lubricants.

This Special Issue will cover but not limit to the following topics:

- Behavior of lubricants under extreme temperature
- Solid lubricants and applications
- Cryogenics in manufacturing processes
- Friction and wear in low temperature systems: artic engineering and offshore
- Rheology of oils in relation to temperature.
- Space applications
- Testing under low temperatures
- Coatings with special application to extreme conditions.

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