



Tribological Properties of Nanoparticles

Guest Editor:

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Message from the Guest Editor

There has been a growing interest in nanoparticles for tribological applications. Studies on this topic have shown the remarkable lubricating properties, viz. friction-reducing and anti-wear, of certain nanoparticles, especially when used as lubricant additives. Among the nanoparticles with proven tribological performance are carbon nanotubes, carbon onions, nanodiamonds, graphene, BN/ZrO₂/TiO₂ nanoparticles, inorganic fullerene-like (IF) metal disulfides (IF-MoS₂, IF-WS₂) nanoparticles, etc. All these nanoparticles have been the subject of detailed investigation, and many key issues have been tackled, such as the conditions leading to these properties, the influence of parameters and morphology of the nanoparticles on their tribological properties/lubrication mechanisms, and the interactions between the particle. In order to answer such questions, state-of-the-art characterization techniques are required, often in situ.

For further reading, please follow the link to the Special Issue Website at: <http://www.mdpi.com/si/265035>

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Guest Editor





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Message from the Editor-in-Chief

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