Special Issue

Use of Coatings on Lubricated Surfaces

Message from the Guest Editors

The scientific knowledge of the tribological behavior of coatings in lubricated contacts is of high industrial interest due to their daily use in mechanical components, machine tools, rolling mills, molds, guide rollers, pumps, valves, pistons, shirts, crankshafts, cams and axes, among others. Current lubrication research that initially was more focused on the lubricant part should pay more attention to the tribological contact, especially considering the possibility of improving its anti-friction and anti-wear properties with the use of coated surfaces. This has caused that a new phase of research has emerged: combined use of coating and lubrication. This Special Issue, "Use of Coatings on Lubricated Surfaces" is aimed at such current developments in coatings for tribological applications with lubricated surfaces and contributions are welcome, from both researchers working in coatings technology and lubrication science. Prof. Dr. José Luis Viesca

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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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