

Special Issue

Dynamics of Lubricated Interfaces

Message from the Guest Editors

This Special Issue on the dynamics of lubricated interfaced aims to investigate the influence of the microscopic characteristics of lubricated surfaces on interface lubrication characteristics. Under dynamic loading, materials and structures with lubricated interfaces exhibit some special properties. Among them, the fluctuation of lubricated interfaces and the dynamic fracture mechanics of lubricated interfaces are two main components of the dynamics of lubricated interfaces. Advanced intelligent manufacturing technologies, such as interface model studies, nondestructive testing, dynamic damage and failure mechanisms, drag reduction, dynamic fracture toughness and dynamic crack propagation of the interface, provide new technical support and development ideas for the dynamics of lubricated interfaces. This Special Issue will include the latest research progress in the field of lubricated interface dynamics, such as interface fluctuation, interface friction and wear, interface lubrication and interface molecular dynamics. I am pleased to invite researchers in relevant fields to contribute to this Special Issue.

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