

International Journal of

Surface Science and Engineering

Scope of the Journal

IJSurfSE publishes refereed quality papers in the broad field of surface science and engineering including tribology, but with a special emphasis on the research and development in friction, wear, coatings and surface modification processes such as surface treatment, cladding, machining, polishing and grinding, across multiple scales from nanoscopic to macroscopic dimensions. High-integrity and high-performance surfaces of components have become a central research area in the professional community whose aim is to develop highly reliable ultra-precision devices.

Subject coverage:

Topics include, but are not limited to the following:

- Surface characterisation and metrology
- Surface integrity
- Contact mechanics
- Friction and wear, including mechanisms, modelling, characterisation, measurement and testing
- Interface temperatures of sliding surfaces
- Lubrication and lubricants
- Coatings and surface treatments
- Multiscale tribology including biomedical/biological systems and manufacturing processes
- Tribology of composite materials: metallic, polymeric and ceramic
- Tribological applications
- Surface modifications, including surface cladding, cutting, polishing and grinding
- Special surfaces such as those for high-performance lenses



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