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# **Advanced Coatings for Resisting Fretting Damage**

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### **Message from the Guest Editors**

Fretting (small amplitude reciprocal motion) is observed in various components, including aerospace, automotive, nuclear, and biomedical components. For example, fretting wear and fatigue occur in the dovetail connection of an aero-engine. Fretting wear is found in automotive components (e.g., electrical connectors) and nuclear components (the contact surface between a fuel rod and a grid). Fretting corrosion is observed in total hip prosthesis. Although fretting is found in a variety of components, practical solutions to minimize fretting damage are limited, including low friction coatings, surface treatments, optimal contact geometries, and so on.

This Special Issue aims to present new coating materials and techniques to resist fretting damage found in aerospace, automotive, nuclear, and biomedical components. This issue will allow us to understand the fretting phenomena found in various industries and seeks adequate solutions to fretting problem.







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## **Message from the Editorial Board**

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