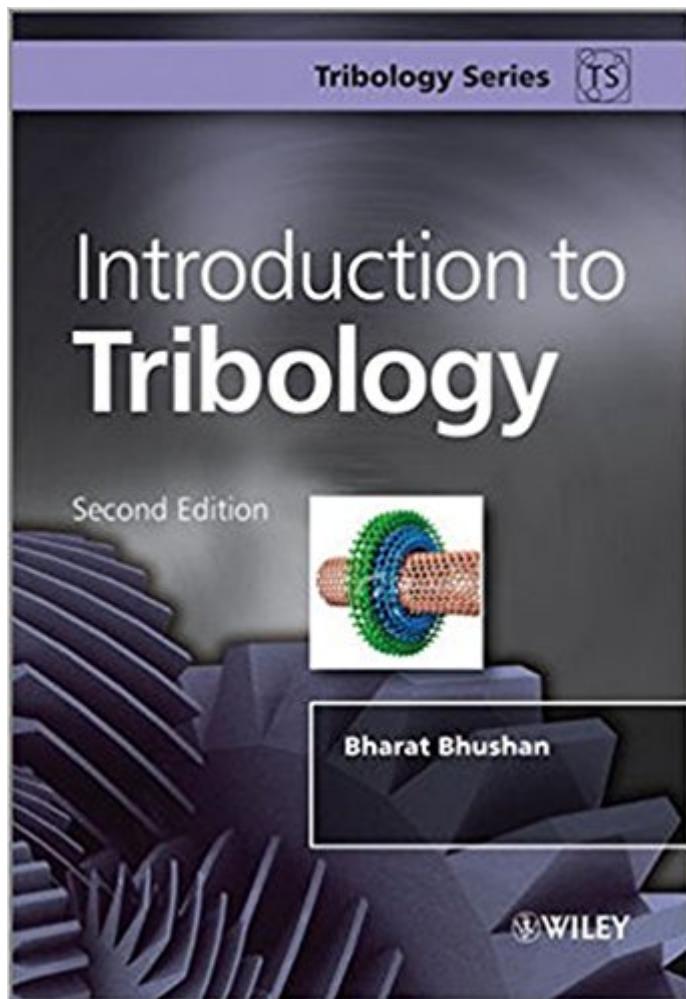


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# Introduction To Tribology



## Synopsis

A fully updated version of the popular *Introduction to Tribology*, the second edition of this leading tribology text introduces the major developments in the understanding and interpretation of friction, wear and lubrication. Considerations of friction and wear have been fully revised to include recent analysis and data work, and friction mechanisms have been reappraised in light of current developments. In this edition, the breakthroughs in tribology at the nano- and micro- level as well as recent developments in nanotechnology and magnetic storage technologies are introduced. A new chapter on the emerging field of green tribology and biomimetics is included. Introduces the topic of tribology from a mechanical engineering, mechanics and materials science points of view Newly updated chapter covers both the underlying theory and the current applications of tribology to industry Updated write-up on nanotribology and nanotechnology and introduction of a new chapter on green tribology and biomimetics

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Dr Bhushan is Ohio Eminent Scholar and The Howard D. Winbigler Professor as well as Director of the Nanoprobe Laboratory for Bio- & Nanotechnology and Biomimetics at The Ohio State University. During his career he has received a number of awards and accolades as well as being central to teaching and formulating the curriculum in Tribology-related topics. He is a Fellow and Life Member of American Society of Mechanical Engineers, Society of Tribologists and Lubrication Engineers, Institute of Electrical and Electronics Engineers, as well as various other professional societies.

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