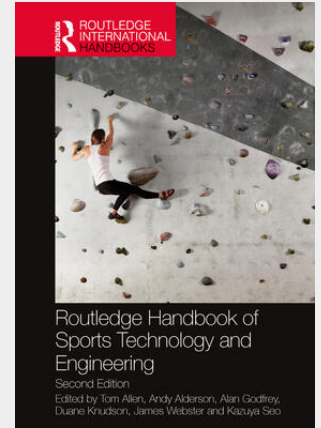


## Routledge Handbook of Sports Technology and Engineering

This completely updated and revised second edition of the Routledge Handbook of Sports Technology and Engineering offers a comprehensive survey of contemporary sports technology and engineering, providing a complete overview of academic, professional and industrial knowledge and technique. The book, divided into five sections, spanning mechanics, materials equipment design, human-equipment interaction and instrumentation, pulls together the full depth and breadth of this field and will update a rapidly expanding area of study with current issues and controversies, and look forward to future research directions. Readers will discover the mechanical principles underpinning sport. They will also learn how developments in materials can improve sporting equipment, allowing athletes to perform better while enhancing their safety and enjoyment, with a particular focus on equipment design, biomechanics and human-equipment interaction. Readers will also learn about how such equipment is designed and made, including advances in sustainable and environmentally friendly practices. In the final section, readers will learn about the emergence of "smart" products and clothing that are changing how we train and participate in sport and exercise. Written by an international team of leading experts, the emphasis throughout the book is on bridging the gap between scientific research and application within sporting products and the effect on training and competition. This is an essential reference work for anybody working in sports technology, sports product design, sports engineering, biomechanics, ergonomics, sports business or applied sport science.



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