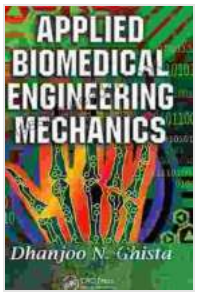
Applied Biomedical Engineering Mechanics James Bender

James Bender is a professor of applied biomedical engineering mechanics at the University of Wisconsin-Madison. He is also the director of the Biomechanics Research Laboratory. His research focuses on the development of new methods and technologies for the analysis and treatment of musculoskeletal disorders.



Applied Biomedical Engineering Mechanics by James Bender

4.7 out of 5

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Enhanced typesetting	: Enabled
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Education and Career

Bender earned his bachelor's degree in mechanical engineering from the University of Minnesota in 1989. He then went on to earn his master's degree and PhD in biomedical engineering from the University of California, Berkeley in 1995 and 1999, respectively. After completing his PhD, Bender joined the faculty of the University of Wisconsin-Madison.

Bender's research has been funded by a variety of organizations, including the National Institutes of Health, the National Science Foundation, and the Whitaker Foundation. He has published over 100 peer-reviewed papers and has given over 100 invited presentations.

Research Interests

Bender's research interests include:

- Biomechanics of the musculoskeletal system
- Development of new methods and technologies for the analysis and treatment of musculoskeletal disorders
- Design of medical devices
- Computational modeling
- Experimental mechanics

Awards and Honors

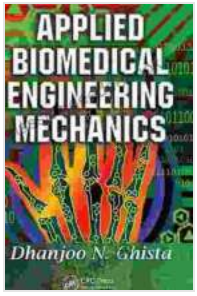
Bender has received a number of awards and honors for his research, including:

- The Whitaker Foundation Young Investigator Award (1999)
- The National Science Foundation CAREER Award (2002)
- The Orthopaedic Research Society New Investigator Award (2003)
- The American Society of Biomechanics Founders' Award (2010)

Personal Life

Bender is married and has two children. He enjoys spending time with his family, playing sports, and traveling.

James Bender is a leading researcher in the field of applied biomedical engineering mechanics. His work is helping to improve the understanding and treatment of musculoskeletal disorders.



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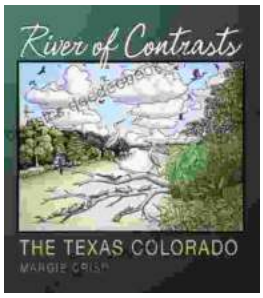

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