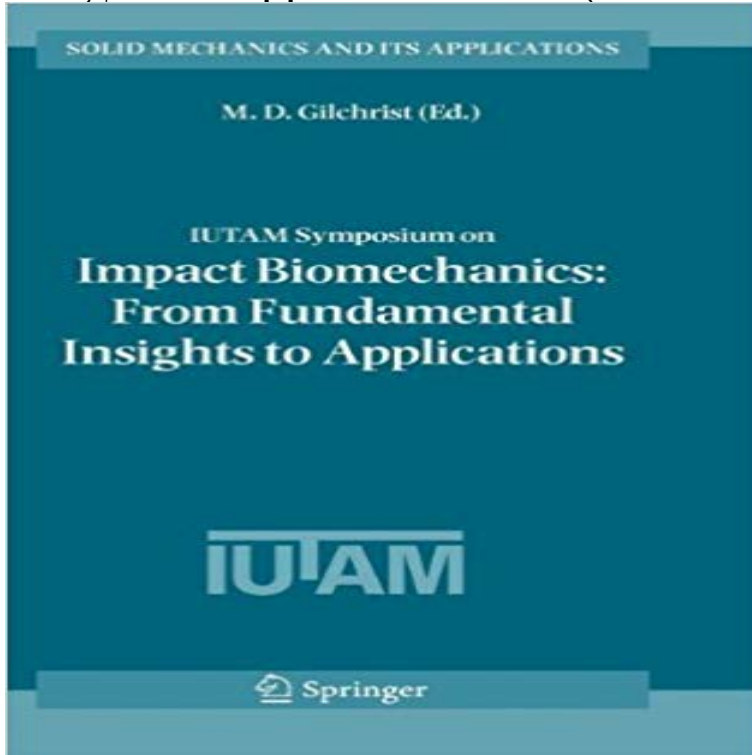


IUTAM Symposium on Impact Biomechanics: From Fundamental Insights to Applications: 124 (Solid Mechanics and Its Applications)



This book contains the edited papers of the IUTAM Symposium on the Biomechanics of Impact, which was held in University College Dublin, Ireland in July 2005. These papers can be grouped into those that are concerned with the different causes of accidents (e.g., transport, occupational and sports injuries), the mechanics involved in accident analysis (e.g., accident investigation, computational modelling techniques), the different types of resulting traumatic injuries (including musculoskeletal, organ, spinal and head injuries), methods of assessing the extent of injury (e.g., injury assessment, injury criteria, constitutive laws for human tissue), and providing protection during an impact (e.g., injury prevention, energy absorption materials, and safety devices). Researchers active in the area of biomechanics will find the book very useful in addressing recent developments in these areas.

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