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Titolo	Trauma Biomechanics : An Introduction to Injury Biomechanics / / by Kai-Uwe Schmitt, Peter F. Niederer, Duane S. Cronin, Markus H. Muser, Felix Walz
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Descrizione fisica	1 online resource (252 p.)
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Soggetti	Biomedical engineering Mechanics, Applied Solids Medical jurisprudence Pathology Automotive engineering Biomedical Engineering and Bioengineering Solid Mechanics Forensic Medicine Automotive Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Methods in Trauma Biomechanics -- Head Injuries -- Spinal Injuries -- Thoracic Injuries -- Abdominal Injuries -- Injuries of the Pelvis and the Lower Extremities -- Injuries of the Upper Extremities -- Impairment and injuries resulting from chronic mechanical exposure -- Ballistic and Blast Trauma -- Solutions to exercises.
Sommario/riassunto	For the 4th edition of Trauma Biomechanics all existing chapters

referring to traffic and sports have been revised and updated. New scientific knowledge and changes in legal defaults (such as norms and standards of crash tests) have been integrated. Additionally one chapter has been added where biomechanical aspects of injuries affected by high energies are communicated in a new way. The mechanical basics for ballistics and explosions are described and the respective impacts on human bodies are discussed. The new edition with the additional chapter therefore is addressed to a broader audience than the previous one.
