

1. Record Nr.	UNINA9910254337203321
Titolo	Mechanics for Materials and Technologies // edited by Holm Altenbach, Robert V. Goldstein, Evgenii Murashkin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-56050-6
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXVII, 447 p. 135 illus., 50 illus. in color.)
Collana	Advanced Structured Materials, , 1869-8433 ; ; 46
Disciplina	620.11230724
Soggetti	Mechanics Mechanics, Applied Materials science Engineering—Materials Solid Mechanics Characterization and Evaluation of Materials Materials Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	This book shows impressively how complex mathematical modeling of materials can be applied to technological problems. Top-class researchers present the theoretical approaches in modern mechanics and apply them to real-world problems in solid mechanics, creep, plasticity, fracture, impact, and friction. They show how they can be applied to technological challenges in various fields like aerospace technology, biological sciences and modern engineering materials.