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Sommario/riassunto	This book is a collection of high quality research and review papers submitted to the 1st World Conference on Advanced Materials for Defense (AUXDEFENSE 2018). A wide range of topics related to the defense area such as ballistic protection, impact and energy absorption, composite materials, smart materials and structures, nanomaterials and nano structures, CBRN protection, thermoregulation, camouflage, auxetic materials, and monitoring systems is covered. Written by the leading experts in these subjects, this work discusses both technological advances in terms of materials as well as product designing, analysis as well as case studies. This volume will prove to be a valuable resource for researchers and scientists from different engineering disciplines such as materials science, chemical

engineering, biological sciences, textile engineering, mechanical engineering, environmental science, and nanotechnology. .