



Recent Advances In Composite Materials

Author : E E Gdoutos Zaira Marioli-Riga / **Category :** Technology & Engineering / **Total Pages :** 382 pages

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Summary : Free recent advances in composite materials pdf download - this book contains 31 papers presented at the symposium on recent advances in composite materials which was organized in honor of professor stephanos a paipetis the symposium took place at democritus university of thrace in xanthi greece on june 12-14 2003 the book is a tribute to stephanos a paipetis a pioneer of composite materials in recognition of his continuous original diversified and outstanding contributions for half a century the book consists of invited papers written by leading experts in the field it contains original contributions concerning the latest developments in composite materials it covers a wide range of subjects including experimental characterization analytical modeling and applications of composite materials the papers are arranged in the following six sections general concepts stress and failure analysis mechanical properties metal matrix composites structural analysis and applications of composite materials the first section on general concepts contains seven papers dealing with composites through the pursuit of the consilience among them computation and mechatronic automation of multiphysics research a theory of anisotropic scattering wave propagation multi-material composite wedges a three-dimensional finite element analysis around broken fibers and an in situ assessment of the micromechanics of large scale bridging in ceramic composites

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