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Nota di contenuto	Frontmatter -- Preface -- About the Editor -- Contents -- List of contributing authors -- 1. Efficient drilling of high-silicon aluminum alloys / Astakhov, Viktor P. / Patel, Swapnil -- 2 Deep hole gun drilling of nickel-based superalloys / Woon, Keng Soon / Tnay, Guan Leong / Yeo, Swee Hock -- 3. A new model pertaining to highspeed drilling of titanium alloy (Ti-6Al-4V) / Vijayan, Krishnaraj / Nasser, Simin / Castellano, Vitale Kyle / Sobtaguim, Herve / Hilderbrand, Joshua / Chealvan, Hari -- 4. Drilling of composite materials: methods and tools / Babu, J. / Paul, Lijo / Davim, J. Paulo -- 5. Challenges of machining natural fiber-reinforced composites: A review / Hejjaji, Akshay / Zitoune, Redouane / Fayçal, Ameer Mohamed / Habiba, Bougherara -- 6. Analysis and optimization of hole quality parameters in cenosphere-multiwall carbon nanotube hybrid composites drilling using artificial neural network and gravitational search technique / Gaitonde, V. N. / Shashikant / Lakkundi, Anand / Karnik, S. R. / Deshpande, A. S. / Davim, J. Paulo -- Index
Sommario/riassunto	This book aims to provide recent information on advances in drilling technology. The use of advanced machines, appropriate strategies and special drilling tools can significantly reduce the machining time

required for drilling operations, and consequently the production costs, and improve the quality of the holes produced. For these reasons an improvement of the drilling technology is very important for the modern manufacturing industries. This book can be used as a research book for final undergraduate engineering course or at postgraduate level. It can also serve as a useful reference for academics, researchers, mechanical, industrial, production, manufacturing and materials engineers, professionals in drilling technology and related matters.
