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Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (xx, 1,416 pages) : illustrations
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670
Soggetti	Materials Industrial engineering Production engineering Machinery Materials Engineering Industrial and Production Engineering Machinery and Machine Elements
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Justification of textured wheels arrangement in combined tool and modeling the workpiece temperature during grinding -- Hydrodynamic streams of coolant at internal grinding by textured wheel -- Peculiarities of assembly of bevel and hypoid gears with curved teeth -- Computer-aided algorithm for non-linear optimization of finishing operations in machining using precision cutting tool.
Sommario/riassunto	This book highlights recent findings in industrial, manufacturing and mechanical engineering, and provides an overview of the state of the art in these fields, mainly in Russia and Eastern Europe. A broad range of topics and issues in modern engineering are discussed, including the dynamics of machines and working processes, friction, wear and lubrication in machines, surface transport and technological machines, manufacturing engineering of industrial facilities, materials engineering, metallurgy, control systems and their industrial applications, industrial mechatronics, automation and robotics. The

book gathers selected papers presented at the 6th International Conference on Industrial Engineering (ICIE), held in Sochi, Russia in May 2020. The authors are experts in various fields of engineering, and all papers have been carefully reviewed. Given its scope, the book will be of interest to a wide readership, including mechanical and production engineers, lecturers in engineering disciplines, and engineering graduates.

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