

1. Record Nr.	UNINA9910733712603321
Titolo	Advanced Manufacturing Processes : Selected Papers from the Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019), September 10-13, 2019, Odessa, Ukraine // edited by Volodymyr Tonkonogyi, Vitalii Ivanov, Justyna Trojanowska, Gennadii Oborskyi, Milan Edl, Ivan Kuric, Ivan Pavlenko, Predrag Dasic
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-40724-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 629 p. 353 illus., 214 illus. in color.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670.42
Soggetti	Manufactures Building materials Engineering design Computer-aided engineering Machines, Tools, Processes Structural Materials Engineering Design Computer-Aided Engineering (CAD, CAE) and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mathematical Modeling of the Process of the Interaction of the Cutting Diamond Disk with the Environment -- MES/ERP Integration Aspects of Manufacturing Automation -- Decision-Making Based on Prediction of Oil Quality Indicators in the Enterprise's Information System -- Concept of the Software for Materials Selection Using .NET Technologies -- Features of Using Metal Coatings on Diamond Grains in Electrically Conductive Grinding Wheels When Machining Polycrystalline Superhard Materials.
Sommario/riassunto	This book offers a timely yet comprehensive snapshot of innovative research and developments in the area of manufacturing. It covers a wide range of manufacturing processes, such as cutting, coatings, and

grinding, highlighting the advantages provided by the use of new materials and composites, as well as new methods and technologies. It discusses topics in energy generation and pollution prevention. It shows how computational methods and mathematical models have been applied to solve a number of issues in both theoretical and applied research. Based on selected papers presented at the Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2019), held in Odessa, Ukraine, on September 10-13, 2019, this book offers a timely overview and extensive information on trends and technologies in the area of manufacturing, mechanical and materials engineering. It is also intended to facilitate communication and collaboration between different groups working on similar topics, and to offer a bridge between academic and industrial researchers.
