

1. Record Nr.	UNINA9910484950203321
Titolo	Advanced Manufacturing Processes II [[electronic resource]] : Selected Papers from the 2nd Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2020), September 8-11, 2020, Odessa, Ukraine // edited by Volodymyr Tonkonogyi, Vitalii Ivanov, Justyna Trojanowska, Gennadii Oborskyi, Anatolii Grabchenko, Ivan Pavlenko, Milan Edl, Ivan Kuric, Predrag Dasic
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-68014-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXIII, 856 p. 476 illus., 260 illus. in color.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	303.483
Soggetti	Manufactures Composite materials Engineering design Computer-aided engineering Machines, Tools, Processes Composites Engineering Design Computer-Aided Engineering (CAD, CAE) and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intelligent Predictive Decision Support System for the Maintenance Service Provider -- Readiness to Use Augmented Reality Solutions in Small and Medium Enterprises in Poland: A Survey -- Production Line Balancing in a Mixed-Model Production System: A Case Study.
Sommario/riassunto	This book offers a timely yet comprehensive snapshot of innovative research and developments at the interface between manufacturing, materials and mechanical engineering, and quality assurance. It covers a wide range of manufacturing processes, such as cutting, grinding, assembly, and coatings, including ultrasonic treatment, molding, radial-isostatic compression, ionic-plasma deposition, volumetric vibration treatment, and wear resistance. It also highlights the

advantages of augmented reality, RFID technology, reverse engineering, optimization, heat and mass transfer, energy management, quality inspection, and environmental impact. Based on selected papers presented at the Grabchenko's International Conference on Advanced Manufacturing Processes (InterPartner-2020), held in Odessa, Ukraine, on September 8–11, 2020, this book offers a timely overview and extensive information on trends and technologies in production planning, design engineering, advanced materials, machining processes, process engineering, and quality assurance. It is also intended to facilitate communication and collaboration between different groups working on similar topics and offer a bridge between academic and industrial researchers.
