

1. Record Nr.	UNINA9911028738103321
Autore	Azari Zitouni
Titolo	Advances in Applied Mechanics II : Proceedings of the 12th International Congress for Applied Mechanics (JET'2024), November 13-15, 2024, Marrakech, Morocco
Pubbl/distr/stampa	Cham : , : Springer, , 2025 ©2025
ISBN	3-031-97670-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (379 pages)
Collana	Lecture Notes in Mechanical Engineering Series
Altri autori (Persone)	El HadKhalid Ait AliMohamed Elamine El MahiAbderrahim HammamiAhmed HaddarMohamed
Disciplina	620.1
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book reports on advances in applied mechanics research and applications. It covers methods, modeling, and simulation tools for products design, material behavior analysis, and for optimizing production processes. It also reports on cutting-edge techniques to increase performance of mechanical systems and foster energy transition.

2. Record Nr.	UNINA9911031576803321
Autore	Radionov Andrey A
Titolo	Proceedings of the 11th International Conference on Industrial Engineering : ICIE 2025, Volume 2 // edited by Andrey A. Radionov, Vadim R. Gasiyarov
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-032-02558-3
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (625 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Altri autori (Persone)	GasiyarovVadim R
Disciplina	670
Soggetti	Industrial engineering Production engineering Engineering design Mechatronics Industrial and Production Engineering Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Analysis of Wheel Runout Impact on the Quality of Dynamic Balancing and Vehicle Wheels -- Simulation of the Articulated Frame Rotation in a Small Sized Utility Vehicle -- Telemetry Modules Informativeness in Evaluation of Reserve Resource Box Transmission -- Development of Measures Aimed at Increasing the Operational Reliability of the Rope Block System of Automobile Cranes -- Dependency of Brake Torque Value on Braking Process Time During the Modeling of the Braking Process of a Car Wheel with ABS System -- A Transport and Handling Installation for Pneumomechanical Processing of Plant Fiber Sheets When Producing a Reinforcing Filler of Organomineral Composites -- Optimization of Gas Fractionation Processes: Integration of Aspen Hysys Simulation and Machine Learning for Enhanced Ethylene Recovery and Process Efficiency -- Mathematical Model for Optimal Placement of Freight Cars in the Context of Reforming the Railway Transport of Uzbekistan.
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 is discussed, including the machinery and mechanism design, dynamics of machines and working processes, friction, wear and lubrication in machines, design and manufacturing engineering of industrial facilities, transport and technological machines, mechanical treatment of materials, industrial hydraulic systems. This book gathers selected papers presented at the 11th International Conference on Industrial Engineering (ICIE), held in Sochi, Russia, in May 2025. The authors are experts in various fields of engineering, and all papers have been carefully reviewed. Given its scope, this 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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