

1. Record Nr.	UNINA9911039315303321
Autore	Nguyen Duy Cuong
Titolo	Advances in Engineering Research and Application : Proceedings of the International Conference on Engineering Research and Applications, ICERA 2024, Volume 2 / / edited by Duy Cuong Nguyen, Do Trung Hai, Ngoc Pi Vu, Banh Tien Long, Horst Puta, Kai-Uwe Sattler
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783032038593 9783032038586
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (910 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1611
Disciplina	620
Soggetti	Engineering mathematics Engineering - Data processing Mechanical engineering Electrical engineering Mathematical and Computational Engineering Applications Mechanical Engineering Electrical and Electronic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 A Novel Design of Preselector for Advanced VHF Receive Path -- 2 A Research on Metallographic Characteristic of Laser - TIG Welds Composite Trimetal Copper Alloy - Carbon Steel - Copper Alloy made by Powder Metallurgy -- 3 A Solution for Developing a Deep Learning Architecture to Recognize Vietnamese Currency in Smart Embedded Systems for the Blind -- 4 A Study of Convolutional Neural Networks Combined with Autoencoders for Gear Fault Classification -- 5 A Study on Multi-Objective Optimization of a Two-stage Helical Gearbox with Double Gears in Second Stage Using MAIRCA Method, etc.
Sommario/riassunto	This book consists of the proceedings of the 7th International Conference on Engineering Research and Application 2024 that was organized by Thai Nguyen University of Technology, Vietnam and collaborated with Ilmenau University of Technology, Germany. The purpose of this conference is to bring together researchers from the

broad range in the field of researches, theories, and practices in engineering research and applications. The topics of this volume include Mechanical Engineering, Materials and Mechanics of Materials, Mechatronics and Micromechatronics, Automotive Engineering, Electrical and Electronics Engineering, and Information and Communication Technology. In this book, readers will find representative samples of the most modern techniques available nowadays for the solution of challenging problems arising in engineering research and application.
