

1. Record Nr.	UNINA9910689684903321
Titolo	Homeland security : securing strategic ports : hearing before the Subcommittee on National Security, Veterans Affairs and International Relations of the Committee on Government Reform, House of Representatives, One Hundred Seventh Congress, second session, July 23, 2002
Descrizione fisica	1 online resource (iii, 82 p.) : ill
Soggetti	Harbors - Security measures - United States National security - United States Terrorism - United States - Prevention
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910895269903321
Titolo	Acta Electronica Malaysia
Pubbl/distr/stampa	[Cyberjava, Malaysia] : , : Razi Publishing, , 2017- [Cyberjava, Malaysia] : , : Zibeline International
ISSN	2590-4043
Descrizione fisica	1 online resource
Soggetti	Electronics Electrical engineering Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

3. Record Nr.	UNINA9910733718303321
Titolo	Soft Computing: Biomedical and Related Applications // edited by Nguyen Hoang Phuong, Vladik Kreinovich
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-76620-9
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (319 pages)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 981
Disciplina	610.28563
Soggetti	Computational intelligence Engineering mathematics Biomedical engineering Computational Intelligence Engineering Mathematics Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Biomedical Applications of Computational Intelligence Techniques -- Bilattice CADIAG-II: Theory and Experimental Results -- A Combination Model of Robust Principal Component Analysis and Multiple Kernel Learning for Cancer Patient Stratification -- Attention U-Net with Active Contour based Hybrid Loss for Brain Tumor Segmentation -- Refining Skip Connections by Fusing Multi-scaled Context in Neural Network for Cardiac MR Image Segmentation -- End-to-end Hand Rehabilitation System with Single-shot Gesture Classification for Stroke Patients -- Feature Selection based on Shapley Additive Explanations on Metagenomic Data for Colorectal Cancer Diagnosis -- Clinical Decision Support Systems for Pneumonia Diagnosis using Gradient-weighted Class Activation Mapping and Convolutional Neural Networks -- Improving 3D Hand Pose Estimation with Synthetic RGB Image Enhancement using RetinexNet and Dehazing -- Imbalance in Learning Chest X-ray Images for COVID-19 Detection -- Deep Learning based COVID-19 Diagnosis by Joint Classification and Segmentation -- Part II: General Computational Intelligence Techniques

and Their Applications -- Why It Is Sufficient to Have Real-Valued Amplitudes in Quantum Computing.

Sommario/riassunto

This book lists current and potential biomedical uses of computational intelligence methods. These methods are used in diagnostics and treatment of such diseases as cancer, cardiac diseases, pneumonia, stroke, and COVID-19. Many biomedical problems are difficult; so, often, the current methods are not sufficient, new methods need to be developed. To confidently apply the new methods to critical life-and-death medical situations, it is important to first test these methods on less critical applications. The book describes several such promising new methods that have been tested on problems from agriculture, computer networks, economics and business, pavement engineering, politics, quantum computing, robotics, etc. This book helps practitioners and researchers to learn more about computational intelligence methods and their biomedical applications—and to further develop this important research direction.
