

Artificial Intelligence in Data and Big Data Processing

Proceedings of ICABDE 2021

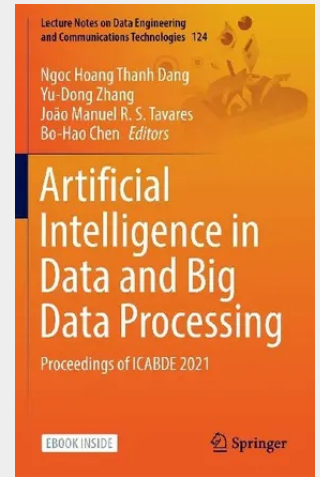
The book presents studies related to artificial intelligence (AI) and its applications to process and analyze data and big data to create machines or software that can better understand business behavior, industry activities, and human health. The studies were presented at "The 2021 International Conference on Artificial Intelligence and Big Data in Digital Era" (ICABDE 2021), which was held in Ho Chi Minh City, Vietnam, during December 18-19, 2021.

The studies are pointing toward the famous slogan in technology "Make everything smarter," i.e., creating machines that can understand and can communicate with humans, and they must act like humans in different aspects such as vision, communication, thinking, feeling, and acting.

"A computer would deserve to be called intelligent if it could deceive a human into believing that it was human"

—Alan Turing

Conceptual Graphs Clustering with Evolutionary Algorithms.- An Updated IoU Loss Function for Bounding Box Regression.- Exhaustive Search for Weighted Ensemble Classifiers to Improve Performances on Imbalanced Dataset.- Automatic Generation of Course Schedules Using Genetic Algorithm.- Integrating N_uom Language Model into N_uom Optical Character Recognition.- Calib-StyleSpeech: A Zero-Shot Approach in Voice Cloning of High Adaptive Text to Speech System with Imbalanced Dataset.- Providing Syntactic Awareness to Neural Machine Translation by Graph-Based Transformer.- Vietnamese Text Summarization Based on Neural Network Models.- Adapting Cross-lingual Model to Improve Vietnamese Dependency Parsing.- An Enhanced Ant Colony Algorithm for Vehicle Path Planning Optimization Problem.



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