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| Soggetti | Artificial intelligence Computer science - Mathematics Computers, Special purpose Algorithms Education - Data processing Artificial Intelligence Mathematics of Computing Special Purpose and Application-Based Systems Design and Analysis of Algorithms Computers and Education Intel·ligència computacional Congressos Llibres electrònics |
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| Nota di contenuto | Design of a segmentation and classification system for seed detection based on pixel intensity thresholds and convolutional neural networks -- Classification of Focused Perturbations Using Time-Variant Functional Connectivity with rs-fmri -- Escherichia coli: Analysis of Features for Protein Localization Classification employing Fusion Data -- Artificial Bee Colony-Based Dynamic Sliding Mode Controller for |

Integrating Processes with Inverse Response and Deadtime --
Optimizing a Dynamic Sliding Mode Controller with Bio-Inspired
Methods: A Comparison -- A robust controller based on LAMDA and
Smith Predictor applied to a system with dominant time delay --
Recursive neural networks tuned with a genetic algorithm for the
prediction of the Bancolombia stock.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th IEEE Colombian Conference on Applications of Computational Intelligence, ColCACI 2022, held in Cali, Colombia during July 27–29, 2022. The 7 extended papers included in this book were carefully reviewed and selected from 38 submissions. They were organized in topical sections as follows: Design of a segmentation and classification system for seed detection based on pixel intensity thresholds and convolutional neural networks.
