

Guest Editorial Preface

Special Section on Neural Networks and Paten Recognition (NN&PR)

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We are pleased to present this special section on ‘Neural Networks and Paten Recognition (NN&PR)’ in the International Journal of Cognitive Informatics and Natural Intelligence (IJCINI). The special section includes manuscripts selected from the 5th International Conference on Interdisciplinary Research Theory and Technology (IRTT 2017) which was held on December 21-23, 2017 at Daejeon University, Korea.

This special section of IJCINI on NN&PR includes four selected papers: 1) A Parallel Levenberg-Marquardt Algorithm for Recursive Neural Network in a Robot Control System; 2) Research on Landing Risk Assessment for Carrier-based Aircrafts by M-V Multiattribute Decision-Making; 3) A Fuzzy Support Vector Machine Algorithm Based on Piecewise Linear Fuzzy Weight Computing Method; and 4) A Semantic Content based Method for Evaluating Concept Similarity by Formal Concept Analyses. The coverage of this special section reflexes the rapid development in the field of NN&PR including: artificial neural networks, cognitive science, coping with hidden states in reinforcement learning and applications, learning systems, machine learning, neural and statistical classification, mathematical and computational analysis, modular neural networks, neural coding, neural machine translation, neural network models, neural networks and fuzzy systems, neural networks applications, neuroevolution, neuroscience, neuroscience and reinforcement learning.

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