

1. Record Nr.	UNISA996464509903316
Titolo	Multi-disciplinary trends in artificial intelligence : 14th International Conference, MIWAI 2021, virtual event, July 2-3, 2021 : proceedings // Phatthanaphong Chomphuwiset, Junmo Kim, Pornntiwa Pawara (editors)
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-80253-1
Descrizione fisica	1 online resource (202 pages)
Collana	Lecture Notes in Artificial Intelligence ; ; 12832
Disciplina	006.3
Soggetti	Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Bias, Trust, and Doing Good: The Impacts of Digital Technology on Human Ethics, and Vice Versa (Abstract of Keynote Speaker) -- Contents -- 3D Point Cloud Upsampling and Colorization Using GAN -- 1 Introduction -- 2 Related Work -- 3 Method -- 3.1 Data Pre-processing -- 3.2 Network Architecture -- 3.3 Objective -- 3.4 Post-processing -- 4 Experiments -- 4.1 Dataset -- 4.2 Implementation Details -- 4.3 Upsampling and Colorization Results -- 4.4 Only Colorization Results -- 4.5 Ablation Study -- 5 Evaluation -- 5.1 Evaluation Metrics -- 5.2 Evaluation Results -- 6 Conclusion and Discussion -- References -- Learning Behavioral Rules from Multi-Agent Simulations for Optimizing Hospital Processes -- 1 Introduction -- 1.1 Motivation -- 1.2 Related Work -- 2 Mutli-agent Simulation Setting -- 2.1 Scenario Description -- 2.2 Modeling of the Scenario -- 2.3 Simulation Results as Gantt Charts -- 3 Alternative Solution: Learning Behavioral Rules -- 3.1 Preliminaries -- 3.2 An Advanced Algorithm for Learning HKBs from Data -- 3.3 Application in the Hospital Process Multi-agent Simulation Setting -- 4 Demonstration and Basic Evaluation -- 5 Conclusion and Future Work -- References -- An Open-World Novelty Generator for Authoring Reinforcement Learning Environment of Standardized Toolkits -- 1 Introduction -- 2 System Architecture -- 3 Experimental Results -- 3.1 Domain Editor Results -- 3.2 Environment Editor Results -- 4

Discussion and Future Work -- References -- Book Cover and Content Similarity Retrieval Using Computer Vision and NLP Techniques -- 1 Introduction -- 2 Literature Review -- 3 Proposed Method -- 3.1 Image Preprocessing -- 3.2 Feature Extraction Using Speed-Up Robust Features (SURF Descriptor) -- 3.3 Word Segmentation -- 3.4 Stop Word Removal -- 3.5 Feature Generation -- 3.6 Similarity Measurements. 3.7 Performance Evaluation -- 4 Experiment and Result -- 5 Conclusion -- References -- Fast Classification Learning with Neural Networks and Conceptors for Speech Recognition and Car Driving Maneuvers -- 1 Introduction -- 2 Background and Related Works -- 2.1 Recurrent Neural Networks -- 2.2 Echo State Networks and Conceptors -- 3 Classification with Conceptors -- 3.1 Conceptor Algebra -- 3.2 Classification -- 4 Case Studies -- 4.1 Speech Recognition -- 4.2 Car Driving Maneuvers -- 5 Evaluation -- 5.1 Speech Recognition -- 5.2 Car Driving Maneuvers -- 5.3 Identifying Essential Factors -- 6 Conclusions -- References -- Feature Group Importance for Automated Essay Scoring -- 1 Introduction -- 2 Related Work -- 3 Evaluation Methodology -- 3.1 Data Preprocessing -- 3.2 Learning Algorithms -- 3.3 Evaluation Metric for Learning Algorithm -- 3.4 Experimental Setup -- 3.5 Feature Influence -- 3.6 Feature Selection -- 4 Results and Discussion -- 4.1 QWK Scores Result for Comparison -- 4.2 Feature Selection Results -- 5 Conclusion -- References -- Feature Extraction Efficient for Face Verification Based on Residual Network Architecture -- 1 Introduction -- 2 Related Work -- 3 The Proposed Face Verification System -- 3.1 Ace Detection Using MMOD + CNN -- 3.2 Deep Feature Extraction Using ResNet-50 Architecture -- 4 Experiments -- 4.1 Face Databases -- 4.2 Evaluation Metrics -- 4.3 Evaluation -- 4.4 Discussion -- 5 Conclusion -- References -- Acquiring Input Features from Stock Market Summaries: A NLG Perspective -- 1 Introduction -- 2 Related Work -- 3 Dataset and Problem Formulation -- 3.1 Preliminary -- 3.2 Market Summaries Preprocessing -- 3.3 Dataset Statistics -- 3.4 Generating Input Features -- 3.5 Linearization -- 4 Experimental Setup -- 4.1 Results -- 4.2 Human Evaluation -- 4.3 Discussion and and Error Analysis -- 5 Conclusion -- References.

A Comparative of a New Hybrid Based on Neural Networks and SARIMA Models for Time Series Forecasting -- 1 Introduction -- 2 Methodology -- 2.1 Decomposition Method -- 2.2 Seasonal Autoregressive Integrated Moving Average (SARIMA) Model -- 2.3 Artificial Neural Network (ANN) -- 2.4 Radial Basis Function (RBF) -- 2.5 Proposed Method -- 3 Data Preparation and Model Evaluation Criteria -- 3.1 Data Descriptions and Data Preparation -- 3.2 Model Evaluation Criteria -- 4 Results and Discussion -- 5 Conclusion and Future Research -- 5.1 Conclusion -- 5.2 Future Research -- References -- Cartpole Problem with PDL and GP Using Multi-objective Fitness Functions Differing in a Priori Knowledge -- 1 Introduction -- 2 Cartpole Problem with Pdl -- 2.1 PDL and Genetic Programming -- 2.2 Experiment & -- Fitness Function Design -- 3 Results -- 4 Conclusions and Future Work -- References -- Learning Robot Arm Controls Using Augmented Random Search in Simulated Environments -- 1 Introduction -- 2 Estimating Policy Using Random Search -- 2.1 Policy Space Search Using Augmented Random Search -- 3 Empirical Set up Using Robot Arm Domain -- 3.1 Designing Robot Arm-Reaching Tasks -- 3.2 State Representations -- 3.3 Training a Robot Arm Using ARS -- 4 Empirical Results and Discussion -- 5 Conclusion -- References -- An Analytical Evaluation of a Deep Learning Model to Detect Network Intrusion -- 1 Introduction -- 2 Literature Review -- 3 Dataset Overview -- 4 Research Methodology -- 4.1 Preprocessing -- 4.2 Feature Selection --

4.3 Class Imbalance Handling -- 4.4 Long Short Term Memory (LSTM)  
-- 4.5 Machine Learning Models -- 5 Results and Discussions -- 6  
Conclusion -- References -- Application of Machine Learning  
Techniques to Predict Breast Cancer Survival -- 1 Introduction -- 2  
Material and Method -- 2.1 Machine Learning Techniques -- 2.2  
Methods.  
3 Experiment Results -- 3.1 Insight Model Performance -- 3.2 Overall  
Model Performance -- 4 Discussion and Conclusion -- References --  
Thai Handwritten Recognition on BEST2019 Datasets Using Deep  
Learning -- 1 Introduction -- 2 Related Works -- 2.1 Thai Language  
Property -- 2.2 Thai Handwritten Recognition -- 3 The Datasets -- 4  
Methodology of Thai Handwritten Recognition -- 4.1 Text Localization  
-- 4.2 Model Generation -- 4.3 Connectionist Temporal Classification  
(CTC) -- 4.4 Character Error Rate (CER) -- 5 Experiment and Results --  
6 Conclusion -- References -- Comparing of Multi-class Text  
Classification Methods for Automatic Ratings of Consumer Reviews -- 1  
Introduction -- 2 Related Work -- 3 Dataset -- 4 The Method of Multi-  
class Classifiers Modelling -- 4.1 Pre-processing of Movie Reviews --  
4.2 Feature Selection and Text Representation -- 4.3 Term Weighting  
-- 4.4 Multi-class Classifiers Modelling -- 5 Experimental Results -- 6  
Conclusion -- References -- Improving Safety and Efficiency for  
Navigation in Multiagent Systems -- 1 Introduction -- 2 Fundamentals  
-- 2.1 Reciprocal Velocity Obstacles (RVO) -- 2.2 3D Reciprocal  
Velocity Obstacle (3DRVO) -- 2.3 Three Dimensional Collision  
Avoidance -- 3 Believe-Desire-Intention Architecture -- 3.1 Planning  
Strategy with Sub-goal -- 4 K-D Tree Algorithms -- 4.1 3D-Tree  
Algorithms -- 5 Experiment and Results -- 5.1 The Scenes -- 5.2  
Results -- 6 Conclusion and Future Work -- References -- Correction  
to: Thai Handwritten Recognition on BEST2019 Datasets Using Deep  
Learning -- Correction to: Chapter "Thai Handwritten Recognition on  
BEST2019 Datasets Using Deep Learning" in: P. Chompuwiset et al.  
(Eds.): Multi-disciplinary Trends in Artificial Intelligence, LNAI 12832,  
[https://doi.org/10.1007/978-3-030-80253-0\\_14](https://doi.org/10.1007/978-3-030-80253-0_14) -- Author Index.

---

2. Record Nr.	UNINA9910704681403321
Titolo	Members' day : hearing before the Committee on the Budget, House of Representatives, One Hundred Thirteenth Congress, first session, hearing held in Washington, DC, March 6, 2013
Pubbl/distr/stampa	Washington : , : U.S. Government Printing Office, , 2013
Descrizione fisica	1 online resource (iv, 92 pages) : illustration
Soggetti	Budget - United States Government spending policy - United States United States Appropriations and expenditures, 2014
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on June 5, 2013). Paper version available for sale by the Superintendent of Documents, U. S. Government Printing Office. "Serial no. 113-2."
Nota di bibliografia	Includes bibliographical references (page 76).