2018 International Conference on Big Data and Artificial Intelligence (BDAI 2018)

Beijing, China 22-24 June 2018



IEEE Catalog Number: CFP18BDC-POD

ISBN: 978-1-5386-6137-6

Copyright \odot 2018 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP18BDC-POD

 ISBN (Print-On-Demand):
 978-1-5386-6137-6

 ISBN (Online):
 978-1-5386-6136-9

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400 Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



International Conference on

Big Data and Artificial Intelligence

(BDAI 2018)

Table of Contents

Preface
Big Data Analysis and Data Processing
A Cluster Analysis of Mutual Funds Data. Santit Narabin, Laor Boongasame
Design of Cloud Data Storage and Processing System
Big Data Technology Applied to Learning Behavior Evaluation System
Research on the Optimization of Military Supplies under Big Data Background
Optimization of Column-oriented Storage Compression Strategy Based on Hbase
Machine Learning and Intelligent Computing
A Novel Ensemble Strategy Combining Gradient Boosted Decision Trees and Factorization Machine Based Neural Network for Clicks Prediction
Feng Zhou, Hua Yin, Huafei Li, Lizhang Zhan, Yeliang Fan, Liu Jiang
Research of Load Balancing and High Availability of VoLTE Core Network in Cloud Environment
Comparison of Internet Traffic Identification on Machine Learning Methods
Path Planning for Mobile Robot's Continuous Action Space Based on Deep Reinforcement Learning
ECG Signal Classification with Deep Learning for Heart Disease Identification
Security Enhanced Cloud Storage Access Control System Based on Attribute Based Encryption
Artificial Intelligence
Research on Music Emotion Classification Based on the Feature Model of Emotion Category Contribution58 Jin Zhong, Wen-Zhe Zhong
Research on ARIA of Affective Recommendation Index Algorithm Based on Topic Selection of Publications62 Hugyan Sun, Ye-Li Li, Yun-Fei Zi, Xu Han

Yuan Sun, Qian Zhao, Wolerrg Yuan)/
Rule-Extraction from Soft Decision Trees	12
Text Keyword Extraction Based on Meta-Learning Strategy	18
English Education Text Recommendation Technology Based on Word Embedding	32
Modern Information Theory and Technology	
A Branching Strategy Based on the Length of Learnt Clause	3 7
Study on Tariff Risk Early Warning of Electric Power Users Based on PSO-SVM Algorithm)2
Parameter Tuning on Software Defect Prediction Using Differential Evolution & Simulated Annealing9 Ruchika Malhotra, Arjun Rajpal, Dushyant Rathore) 7
Research on the Intelligent Piano Application with Variable Structure Fuzzy Neural Networks)7
Forecasting Clinical Expenditure of Child Patients Using Binary and Multi-Classification Methods	1
Uncovering the Transformation from Non-Follower Retweetors to Followers	6
A Two-Phase Model for Sleep Staging Using Single Channel EEG	23
A Role-Based Access Control System Using Attribute-Based Encryption	28