2020 6th International Conference on Web Research (ICWR 2020)

Tehran, Iran 22 – 23 April 2020



IEEE Catalog Number: ISBN: CFP20F61-POD 978-1-7281-1052-3

Copyright © 2020 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:	CFP20F61-POD
ISBN (Print-On-Demand):	978-1-7281-1052-3
ISBN (Online):	978-1-7281-1051-6

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



File	Title	Page
ICWR202001	Social Network Analysis of Passes and Communication Graph in Football by mining Frequent Subgraphs	1
ICWR202002	A Combination of Machine Learning and Lexicon Based Techniques for Sentiment Analysis	8
ICWR202003	A Local Optimum Matrix Construction for Matrix Embedding Steganography	15
ICWR202004	A List-based Heuristic Algorithm for Static Task Scheduling in Heterogeneous Distributed Computing Systems	21
ICWR202005	Feature Selection in Pre-Diagnosis Heart Coronary Artery Disease Detection (A Heuristic Approach for Feature Selection based on Information Gain Ratio and Gini Index)	27
ICWR202006	PEDM: Pre-Ensemble Decision Making for Malware Identification and Web Files	33
ICWR202007	Low-Cost Interactive Device for Virtual Reality	38
ICWR202008	How has Social Media Impacted the Life of an Individual Who Publicly Challenges Authoritative Discourse?	43
ICWR202009	Real-time Event Detection in Twitter: A Case Study	48
ICWR202010	Machine Translation Using Improved Attention-based Transformer with Hybrid Input	52
ICWR202011	Hierarchical Three-module Method of Text Classification in Web Big Data	58
ICWR202012	Correlation of Segregation and Social Networks\u2019 Majority Opinion in the Social Impact Model	66
ICWR202013	A Method For Answer Selection Using DistilBERT and Important Words	72
ICWR202014	A Qualitative Study of Various Aspects of the Application of IoT in Disaster Management	77
ICWR202015	IMT: Selection of Top-k Nodes based on the Topology Structure in Social Networks	84
ICWR202016	Personalization of E-Learning Environment Using the Kolb's Learning Style Model	89
ICWR202017	RePersian: An Efficient Open Information Extraction Tool in Persian	93
ICWR202018	Bidirectional LSTM Deep Model for Online Doctor Reviews Polarity Detection	100
ICWR202019	Challenges Classification in Search-Based Refactoring	106
ICWR202020	EmHash: Hashtag Recommendation using Neural Network based on BERT Embedding	113
ICWR202021	A Heuristic Algorithm Focusing on the Rich-Club Phenomenon for the Influence Maximization Problem in Social Networks	119
ICWR202022	Introdusing a New Linear Regression Based Method for Early DDoS Attack Detection in SDN	126
ICWR202023	Human Action Recognition in Video Using DB-LSTM and ResNet	133
ICWR202024	SW-DBSCAN: A Grid-based DBSCAN Algorithm for Large Datasets	139
ICWR202025	Developing of a New Hybrid Clustering Algorithm Based on Density	146
ICWR202026	Intrusion Detection in IoT-Based Smart Grid Using Hybrid Decision Tree	152
ICWR202027	Review of Apriori based Frequent Itemset Mining Solutions on Big Data	157
ICWR202028	A Survey on Challenges in Designing Cognitive Engines	165
ICWR202029	A Novel Correlation-Based CUR Matrix Decomposition Method	172
ICWR202030	A Dynamic Task Scheduling Algorithm Improved by Load Balancing in Cloud Computing	177

File	Title	Page
ICWR202031	Coronavirus Spreading Analysis Using Dynamic Spreading Factor Epidemic Models	184
ICWR202032	Review Helpfulness Prediction Using Convolutional Neural Networks and Gated Recurrent Units	191
ICWR202033	A New Follow based Community Detection Algorithm	197
ICWR202034	Model-Based Location Recommender System Using Geotagged Photos On Instagram	203
ICWR202035	An Efficient Deep Learning Method for Encrypted Traffic Classification on the Web	209
ICWR202036	A Game Theory-based Mechanism to Optimize the Traffic Congestion in VANETs	217
ICWR202037	Website Evaluation Frameworks: IS oriented vs. Business Oriented Models	223
ICWR202038	A Semi-blind Watermarking Method for Authentication of Face Images Using Autoencoders	229
ICWR202039	An Efficient Approach For Malware Detection Using PE Header Specifications	234
ICWR202040	Predicting Subjective Features from Questions on QA Websites using BERT	240
ICWR202041	A New Method for Intrusion Detection on RPL Routing Protocol Using Fuzzy Logic	245
ICWR202042	Making AdaBoost Less Prone to Overfitting on Noisy Datasets	251
ICWR202043	An Efficient Ensemble of Convolutional Deep Steganalysing Based on Clustering	260
ICWR202044	Virtual Tourism Misunderstood	265
ICWR202045	A Review of the Most Important Studies on Automated Text Simplification Evaluation Metrics	271
ICWR202046	Analyzing the Robustness of Web Service Networks	279
ICWR202047	Producing An Instagram Dataset For Persian Language Sentiment Analysis Using Crowdsourcing Method	284
ICWR202048	Automatic Duplicate Bug Report Detection using Information Retrieval-based versus Machine Learning-based Approaches	288
ICWR202049	LookLike: Similarity-based Trust Prediction in Weighted Sign Networks	294
ICWR202050	A New Metric to Evaluate Network Robustness	299
ICWR202051	A Multiagent Approach To Web Service Composition Based On TROPOS Methodology	305
ICWR202052	Application of 1-D CNN to Predict Epileptic Seizures using EEG Records	314
ICWR202053	Analysis of ResearchGate, a Community Detection Approach	319
ICWR202054	Utilizing Cellular Learning Automata for Finding Communities in Weighted Networks	325
ICWR202055	An Extension of the Apriori Algorithm for Finding Frequent Items	330