

2nd International Conference on Innovation in Information Technology and Business (ICIITB 2024)

Advances in Computer Science Research Volume 113

Muscat, Oman and Online
29 - 30 April 2024

ISBN: 979-8-3313-0250-4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Print copyright© (2024) by Atlantis Press (part of Springer Nature)
All rights reserved.
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press
Van Godewijkstraat 30
3311GX Dordrecht
The Netherlands

contact@atlantis-press.com

Printed with permission by Curran Associates, Inc. (2025)

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
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Peer-Review Statements	1
<i>Nebojsa Bacanin, Hotheifa Shaker</i>	
CacheBoost: Harnessing Machine Learning for Peak Cache Performance	3
<i>Sharath Kumar Jagannathan, Maheswari Raja, P. Vijaya, Reena Abraham</i>	
Employee Reviews Sentiment Classification Using BERT Encoding and AdaBoost Classifier Tuned by Modified PSO Algorithm	20
<i>Vladimir Markovic, Angelina Njegus, Dejan Bulaja, Tamara Zivkovic, Miodrag Zivkovic, Joseph P. Mani, Nebojsa Bacanin</i>	
Exploring the Benefits of Integrating Machine Learning and Tool Condition Monitoring for Manufacturing Applications	36
<i>S. Gokul, S. A. Vigneshvar, R. Ashwathi Krishna, K. Kabilan, P. Vijaya</i>	
Exploring YOLOv8 Architecture Applications for Weed Detection in Crops	52
<i>Aleksandar Petrovic, Milos Pavkovic, Marina Svcevic, Nebojsa Budimirovic, Vuk Gajic, Dejan Jovanovic</i>	
Signals Intelligence Based Drone Detection Using YOLOv8 Models	69
<i>Mihajlo Protic, Luka Jovanovic, Milos Dobrojevic, Miroslav Cajic, Miodrag Zivkovic, Hotheifa Shaker, Nebojsa Bacanin</i>	
Reinforcement Learning and Gamification: A Framework for Integrating Intelligent Agents in Retro Video Games.....	82
<i>Nemanja Josipovic, Aleksandar Petrovic, Aleksa Cuk, Milos Antonijevic, Dejan Jovanovic, Nebojsa Budimirovic</i>	
Hybrid Model Optimization with Modified Metaheuristics for Parkinson’s Disease Detection	97
<i>Vladimir Markovic, Angelina Njegus, Luka Jovanovic, Tamara Zivkovic, Dejan Jovanovic, Djordje Mladenovic</i>	
Online Harassment Detection on Online Data Science Platforms Optimized by Metaheuristic	116
<i>Nebojsa Bacanin, Milos Kabiljo, Lepa Babic, Vuk Gajic, Jelena Kaljevic, Milos Dobrojevic</i>	
Optimizing SQL Injection Detection Using BERT Encoding and AdaBoost Classification	132
<i>Miodrag Zivkovic, Luka Jovanovic, Milos Bukumira, Milos Antonijevic, Djordje Mladenovic, Maryam Al Washahi, Nebojsa Bacanin</i>	
Structured Query Language Injection Detection with Natural Language Processing Techniques Optimized by Metaheuristics.....	150
<i>Aleksandar Jokic, Nikola Jovic, Vuk Gajic, Marina Svcevic, Milos Pavkovic, Aleksandar Petrovic</i>	
Twitter Toxic Comment Identification in Digital Media and Advertising Using NLP and Optimized Classifiers	166
<i>Jelena Gajic, Lazar Drazeta, Lepa Babic, Jelena Kaljevic, Dejan Jovanovic, Luka Jovanovic</i>	

Author Index