

2019 2nd International Conference on Advancements in Computational Sciences (ICACS 2019)

**Lahore, Pakistan
18 – 20 February 2019**



**IEEE Catalog Number: CFP19FUA-POD
ISBN: 978-1-7281-0668-7**

**Copyright © 2019, The University of Lahore
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: | CFP19FUA-POD |
| ISBN (Print-On-Demand): | 978-1-7281-0668-7 |
| ISBN (Online): | 978-969-9721-01-4 |

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

CURRAN ASSOCIATES INC.
proceedings
.com

Contents

| | | |
|----|---|-----|
| 1 | Recognizing Actions of Distracted Drivers using Inception v3 and Xception Convolutional Neural Networks | 1 |
| 2 | Analyzing Link Connectivity to Ensure Faster Failure Detection for QoS Routing in MANETs: A Peculiar Outline | 9 |
| 3 | A Review and Comparison of the Traditional Collaborative and Online Collaborative Techniques for Software Requirement Elicitation | 18 |
| 4 | Spatial Querying of Mineral Resources Using PostGIS | 26 |
| 5 | Early Student Grade Prediction: An Empirical Study | 32 |
| 6 | Classification of Energy Consumption in the Balkans Using Ensemble Learning Methods | 39 |
| 7 | The Evolution of Trends and Techniques used for Data Mining | 47 |
| 8 | Technical Analysis of Fall Detection Techniques | 53 |
| 9 | A Fuzzy Expert System Design for Diagnosis of Skin Diseases | 61 |
| 10 | Scene Recognition of Surveillance Data using Deep Features and Supervised Classifiers | 68 |
| 11 | Evaluating Performance of Software Defect Prediction Models Using Area Under Precision-Recall Curve (AUC-PR) | 74 |
| 12 | Categorization of Crowd Varieties using Deep Concurrent Convolution Neural Network | 80 |
| 13 | Development of Smart phone based Cultural Social Stories for Intellectually Disabled Children of Pakistan | 86 |
| 14 | Use of Directional UWB Antenna for Lung Tumour Detection | 94 |
| 15 | Smart Contracts Integration between Blockchain and Internet of Things: Opportunities and Challenges | 99 |
| 16 | Modeling Task Capability in Full Velocity Differential Model | 108 |
| 17 | Adversarial Placement Vector Learning | 113 |
| 18 | The Effects of Additional Factors on Subjective Quality Assessments | 120 |