

2017 International Conference on Technical Advancements in Computers and Communications (ICTACC 2017)

**Melmaurvathur, India
10-11 April 2017**



**IEEE Catalog Number: CFP17K42-POD
ISBN: 978-1-5090-4798-7**

**Copyright © 2017 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:	CFP17K42-POD
ISBN (Print-On-Demand):	978-1-5090-4798-7
ISBN (Online):	978-1-5090-4797-0

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

2017 International Conference on Technical Advancements in Computers and Communication

ICTACC 2017

Table of Contents

Message from General Chair.....	viii
Message from Program Chair.....	ix
Steering Committee.....	x
Advisory Committee.....	xi
Program Committee.....	xii
Organizing Committee.....	xiii

ICTACC 2017

Developing a Prediction Model for Stock Analysis	1
<i>R. Yamini Nivetha and C. Dhaya</i>	
Usage of CPN Models in Web Service Compositions-A Survey	4
<i>Poonkavithai Kalamegam</i>	
Energy Efficiency in LTE-A Network	7
<i>M. Prasad</i>	
Group Behaviour Profiling for Detection of Anomaly in Crowd	11
<i>Geetha Palanisamy and T. T. Manikandan</i>	
Malware Detection in IaaS Cloud Computing Using Time Based Detection Mechanisms	16
<i>C. Dhaya and N. Abirami</i>	
A Review on Image Processing Methods in Detecting Lung Cancer Using CT Images	18
<i>G. Niranjana and M. Ponnaivaikko</i>	
An Algorithm for Moderating DoS Attack in Web Based Application	26
<i>D. Sophia Navis Mary and A. Thasleema Begum</i>	

Stability Aware Software Refactoring Using Hybrid Search Based Techniques	32
<i>M. Vimaladevi and G. Zayaraz</i>	
Multi-factor Authentication Scheme for Shadow Attacks in Social Network	36
<i>S. Subrayan, S. Mugilan, B. Sivanesan, and S. Kalaivani</i>	
Fully Autonomous UAV	41
<i>G. Anup Venkatesh, P. Sumanth, and K. R. Jansi</i>	
FASUM: Feature Accelerated Single-Video Summarization	45
<i>M. Thahaseen Fathima and S. Chitrakala</i>	
A Smart and Elegant Technology for Interaction between Driver and 4 Wheeler with Voice Commands and Route Guidance	50
<i>Vinothini, Shanmugapriya, Sharmathi, and B. Subashini</i>	
An Improved Graphical Authentication System to Resist the Shoulder Surfing Attack	53
<i>R. Sudha and M. Shanmuganathan</i>	
Selecting Reviewers for Research by Clustering Proposals Using Expectation Maximization Clustering Algorithm	56
<i>S. Rajkamal</i>	
Low Power High Speed Full Adder Cell with XOR/XNOR Logic Gates in 90nm Technology	61
<i>G. Manikannan, K. Mahendran, and P. Prabakaran</i>	
A Novel Method to Find Time Complexity of an Algorithm by Using Control Flow Graph	66
<i>K. Senthil Kumar and D. Malathi</i>	
Attacks in Online and OTIP	69
<i>Vivekanandhan and Sivasubramani</i>	
Performance Analysis of Radio over Fiber (RoF) System for Indoor Applications	73
<i>Arunava Seal, Samriddhi Bhutani, and A. Sangeetha</i>	
Performance Analysis of Different OFDM Techniques in DD-SMF Systems	77
<i>A. Sangeetha, Shaik Sardar, Srinivasa Rao, and K. Shyam Kumar</i>	
Pictorial Sequence Authentication Using Optimized Disarray System	83
<i>C. M. Nalayini, Jeevaa Katiravan, N. Rajesh, Varna K Kumar, and R. Hamsini</i>	
Optimizing Detection of Malware Attacks through Graph-Based Approach	87
<i>K. Muthumanickam and E. Ilavarasan</i>	
A Novel Opinion Mining on Ativan	92
<i>Vidya Vinod, Veena Somnath, and M. E. Anitha</i>	
Improved Ant Colony Algorithms for Eliminating Stagnation and Local Optimum Problem — A Survey	97
<i>A. Amuthan and K. Deepa Thilak</i>	

Cloud Scheduling in Video Transcoding	102
<i>R. Madumitha, V. Keerthana, V. Dhivya, and S. P. Tamizh Selvi</i>	
An Intelligent Monitor System for Home Appliances Using IoT	106
<i>S. Swetha, S. Suprajah, S. Vaishnavi Kanna, and R. Dhanalakshmi</i>	
Design of Automatic Nutrition Supply System Using IoT Technique in Modern Cities	109
<i>P. B. Sowmiya, B. K. Nagaswetha, and D. Priyadharshini</i>	
Lossless Image Compression in Cloud Computing	112
<i>B. Nivedha, M. Priyadharshini, E. Thendral, and T. Deenadayalan</i>	
Supervised Learning Based HDFS Replication Management System	116
<i>R. Ilakiyaa and N. J. Nalini</i>	
GAIT Based Inertial Navigation System Using Mobile Sensor	121
<i>S. Sakthi Tharan, M. Vishnu Vigneshwar, and R. Srikumar</i>	
Emergency Medical Vehicle	125
<i>K. Sajeetha, M. C. Roja, S. Saishree, M. Vinothini, and R. Siva</i>	
A Server Side Encryption for Cloud Storage with Federation Sharing in Hybrid Cloud Environment	128
<i>C. Gopinaath and C. Kiruthika</i>	
A Novel Approach for Detecting and Tracking Humans	132
<i>K. Sundaramoorthy, R. Durga, and P. Aravind</i>	
NewsOne — An Aggregation System for News Using Web Scraping Method	136
<i>K. Sundaramoorthy, R. Durga, and S. Nagadarshini</i>	
Elimination of Redundant Data in Cloud with Secured Access Control	141
<i>R. Vidhya, P. Ganesh Rajan, and T. Alex Lawrance</i>	
Big Data Analysis: Structuring of Data	144
<i>Riya Ojha, Rakshit Singh, and Aditya Singh</i>	
EQVS: Enhanced Quality Video Streaming Distribution over Wired/Wireless Networks	148
<i>B. Anantharaj, N. Balaji, G. Sambasivam, M. S. Saleem Basha, and T. Vengattaraman</i>	
ADSMS: Anomaly Detection Scheme for Mitigating Sink Hole Attack in Wireless Sensor Network	154
<i>N. Mohammed Yasin, N. Balaji, G. Sambasivam, M. S. Saleem Basha, and P. Sujatha</i>	
Identify Intrigue Blackhole and Greyhole Attacks in Prorogation Sophisticated Networks	160
<i>D. Soundaravalli</i>	
Author Index	163