

World Congress on Multimedia and Computer Science

(WCMCS'2013)

**Hammamet, Tunisia
4 – 6 October 2013**

ISBN: 978-1-63266-257-6

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.

Copyright© (2013) by The Institute of Doctors Engineers and Scientists (IDES)
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact IDES-CPS
at the address below.

IDES-CPS
Prins Hendriklaan 19
1075 AZ Amsterdam, Netherlands

Phone: +31-6855 84465

cps.info@theides.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

1. Security Analysis of High Dimensional Chaotic-Based Cryptosystem via its Key Sensitivity Study <i>Sonia Hammami</i>	1-12
2. Design and Implementation of a Path Tracking Steering Controller for EO Smart Connecting Car <i>Mohammed Ahmed and Mehmed Yu'ksel</i>	13-23
3. PAPR Performance Comparison between Localized and Distributed-Based SC-FDMA <i>Mohammed Melood A Abdased, Mahamod Ismail and RosdiadeeNordin</i>	24-32
4. Conditional Random Network Coding in the Case of Transmission over q-ary Gilbert Elliot Channel <i>Aicha Guefrachi, Sonia Zaibi and Ammar Bouallègue</i>	33-40
5. Crises Coordinating System and Infrastructure in Synergistic Smart Homes Using REST Architectural Style <i>Farhang Padidaran M and Ir. Riza Sulaiman</i>	41-46
6. An Image Inpainting Algorithm based on K-means Algorithm <i>Ouafek Naouel and Pr Kholadi Mohamed-Khireddine</i>	47-52
7. Effectiveness of Mutation Testing Techniques: Reducing Mutation Cost <i>Falah Bouchaib, Bouriat Salwa and Achahbar Ouidad</i>	53-59
8. Real-Time Object Tracking in 3D Space using Mobile Platform with Passive Stereo Vision System <i>Harijs Grinbergs, Artis Mednis and Modris Greitans</i>	60-68
9. A High Performance Architecture Design of CAVLC Coding Suitable for Real-Time Applications <i>Asma Ben Hmida, Salah Dhahri and Abdelkrim Zitouni</i>	69-74
10. Quantum Authentication based on Entangled States <i>Aymen Ghilen, Fatma Hamzaoui, Mostafa Azizi, Ridha Bouallegue and Hafedh Belmabrouk</i>	75-78
11. Biology Learning using Augmented Reality and Gaming Techniques <i>Dalia Marzouk, Gehad Attia and Nashwa Abdelbaki</i>	79-86

12. Weld Radiographic Images Segmentation and Restoration Via Local Binary Fitting Energy and Binary Level 87-93
Yamina Boutiche
13. A New Analytical Model to Compute a Packet Transmission Probability for IEEE 802.11 94-102
Hatm Alkadeki, Xingang Wang and Michael Odetayo
14. Automated System for the Management of Electrical – Solar Production Equipment 103-112
Chaieb Chiheb
15. An ONS-based Architecture for Resolving RFID-enabled Objects in Collaborative Environments 113-121
J Gialelis, D Karadimas, P Chondros and E Polytarchos
16. Modelling of Telephony Systems with Finite Number of Resources 122-132
Lawan Ahmed Mohammed
17. Eye-movement Analysis for Measuring Visual Discomfort Caused from Watching Stereoscopic 3D Video 133-139
Sang-Hyun Cho and Hang-Bong Kang
18. A New Approach Combining Neural Networks and Chaotic Behavior for Poly-Encrypted Color Image 140-148
Amaria Wael, Seddik Hassene and Bouslehi Hamdi
19. Scalable Video Coding Based Video Streaming On JXTA Peer-to-Peer Network 149-157
Youssef Lahbabi, Ensias Mohammed V, Ahmmed Hammouch and El Hassan Ibn Elhaj
20. Illegal Vehicle Parking Detection Based On Online Learning 158-164
Xiping Zhao, Xiaodong Cheng and Xiaofei Li
21. Improved Gas Ratios Models for DGA Interpretation Using Artificial Neural Networks 165-175
MA. Senoussaoui, MN. Brahami, M. Brahami and IS. Bousmaha
22. Iterative Learning Control for Linear Discrete Systems with Input Disturbances 176-184
Jamel Dridi, Selma Ben Attia, Housseem ouerfelli and Salah Salhi
23. Spectrum Database as a Service (SDaaS) for Broadband Innovation and Efficient Spectrum Utilization 185-191
Luzango Mfupe, Litsietsi Montsi and Fisseha Mekuria

24. Performance Evaluation of Routing Protocol for Mobile Wireless Sensor Networks 192-200
Muhammad Arshad, Mohamed Yahya Aalslem and Farhan Ahmed Siddiqui
25. Optimum Values of the Bandwidth of the Optical and Electrical Filters for a System of High Mode Coupling Optical Fibers 201-207
Suad M. Abuzariba , Fathi Abubrig and Mohamed Delfag
26. An exploration of cloud service delivery models in a hybrid environment – A new depiction to corporate computing 208-217
C. Vijayalakshmi
27. A Flexible and Green Scheduler for providing QoS and High Throughput over Wireless Links 218-225
Maurizio Casoni, Carlo Augusto Grazia and Paolo Valente
28. Detecting Hand Bone Fractures in X-Ray Images 226-232
Ismail Hmeidi, Mahmoud Al-Ayyoub, Haya Rababah and Zakaria Khatatbeh
29. Model-Based Social Networking Over Femtocell Environment 233-238
Hajer Berhouma and Kaouthar Sethom Ben Reguiga
30. A Novel Method of Weak Impulse Detection Using the Variance of the Power Spectral Density and the Discrete Fourier Transform 239-246
Mieczyslaw Jessa and Piotr Slezak
31. A New Scheme for Electing Stable MPR Nodes for the OLSR Protocol 247-253
Ali Moussaoui, Fouzi Semchedine, Nabil Ben Mazouz, Mohamed Abdelli and Boualem Benziane
32. A Simple Heuristics Model for the Design of Telephony Systems 254-261
Lawan Ahmed Mohammed