

2014 5th Workshop on Codes, Cryptography and Communication Systems

(WCCCCS 2014)

**El Jadida, Morocco
27-28 November 2014**



**IEEE Catalog Number: CFP14A92-POD
ISBN: 978-1-4799-7055-1**

TABLE OF CONTENTS

Extraction of the interferometric phase by Hilbert Huang Transform method from a single uncarrier image	1
Said AMAR, Mustapha BAHICH, Elmostapha BARJ and Mohammed AFIFI	
A new mechanism for RFID clustering and identification.....	6
Fathia OUAKASSE and Said RAKRAK	
Security Analysis of Low Cost RFID Systems	11
Ahmed MAAROF, Zouheir LABBI, Mohamed SENHADJI and Mostafa BELKASMI	
Discrete Novel Hybrid Particle Swarm Optimization To Solve Travelling Salesman Problem.....	17
Morad BOUZIDI and Mohammed ESSAID RIFFI	
Cylindrical Dielectric Resonator Antenna for Multiband Communication Systems.....	21
Kaoutar ALLABOUCHE, Najiba EL AMRANI EL IDRISI, Mohamed JORIO and Tomader MAZRI	
An Optimized DV-Hop Localization Algorithm Using Average Hop Weighted Mean in WSNs.....	25
Abdelali HADIR, Khalid ZINE-DINE, Mohamed BAKHOUYA and Jamal EL KAFI	
Discrete Cat Swarm Optimization algorithm applied to combinatorial optimization problems.....	30
Abdelhamid BOUZIDI and Mohammed ESSAID RIFFI	
On a class of linear codes whose automorphism group is dihedral	35
Abdelfattah HAILY and Driss HARZALLA	
Hybrid architecture for Spectrum Sensing Algorithm Based on Energy detection technique and Artificial Neural Networks	40
Abdessamad ELRHARRAS, Rachid SAADANE, Mohamed WAHBI and Abdellatif HAMDOUN	
On the Performance of Energy Detection Spectrum Sensing for Interweave Cognitive Radio.....	45
Imane BOUFRIECH, Mustapha BENJILLALI and Ahmed TAMTAOUI	
Analysis and Simulation of MAC Layer Misbehavior in Mobile Ad-Hoc Networks	50
Mohammed-Alamine EL HOUSAINI, Abdessadek AAROUD, Ali EL HORE and Jalel BEN-OTHMAN.	
On Constacyclic codes over Z_p^m	55
Mohamed EL HASSANI CHARKANI and Joel KABORE	
How can we succed the Fault Attack on PACE protocol	59
Taoufik SERRAJ, Abdelmalek AZIZI and Moulay Chrif ISMAILI	
Achieving Always Best Connected Service for a Mobile User in VANET	64
Abdelfettah MABROUK, Abdellatif KOBBANE, Mohammed EL KOUTBI and Essaid SABIR	

A Comparative approach of different Or-BAC extensions : application and limits	67
Amsaa KASSID and Najib EL KAMOUN	
Modeling and Simulation of VANET in Traffic City	73
Younes REGRAGUI and Najem MOUSSA	
Virtual MIMO Systems: A Game Theoretical Approach	77
Hassan BENNANI, Essaid SABIR, Abdellatif KOBBANE and Mohammed EL KOUTBI	
Identification and Equalization Using Higher Order Cumulants in MC-CDMA Systems.....	81
Mohammed ZIDANE, Said SAFI, Mohamed SABRI and Ahmed BOUMEZZOUGH	
Hybrid Automatic Repeat Request Protocols : Turbo-Codes versus Cyclic Low-Density Parity-Check Codes	86
Anouar YATRIBI, Fouad AYOUB, Zakaria M'RABET, Ahmed AZOUAOUI and Mostafa BELKASMI	
New system forecast e-health by using hybrid of association rules and decision tree	
Ahmed EL HADDIOUI, Soumaya EL MAMOUNE, Loubna CHERRAT, Tayeb SADIKI, Mohamed BOULMALF and Mostafa EZZIYYANI	92
Content-Based Shape Retrieval (Cbir) Using Different Shape Descriptors	98
Abderrahim KHATABI, Amal TMIRI, Ahmed SERHIR and Hassan SILKAN	
Towards a ZigZag-Decoding-Enabled Distributed Coordination Function for WLANs.....	103
Sara ARABI, Essaid SABIR and Mohammed SADIK	
Joint mission and communication aware node placement problem in mission-specific mobile sensor networks	109
Hicham OUCHITACHEN, Abdellatif HAIR, Najlae IDRISI	
Cognitive Detect-and-Forward Relay Channels: Soft Metrics and Performance Analysis.....	113
Anas FEDOUL and Mustapha BENJILLALI	
A Genetic Algorithms based detector for MIMO STBC systems	118
Herve KOUDOUGNON, Ahmed AZOUAOUI and Mostafa BELKASMI	
New Technique of Localization a Targeted Virtual Machine in a Cloud Platform	124
Hicham BOUKHRISS, Ali AZOUGAGHE, Mustapha HEDABOU	
Cyclic sparse deconvolution through convex relaxation	128
Khalid SABRI and Abdelouahad CHOKLATI	
Intrusion Detection Systems in Mobile Ad Hoc Networks: A Survey	136
Mohamed ELBOUKHARI, Mostafa AZIZI and Abdelmalek AZIZI	
SMPMA : Semantic Multimodal Profile for Multimedia documents Adaptation	142
Hajar KHALLOUKI, Mohamed BAHAJ, Philippe ROOSE and Sébastien LABORIE	
A matrix based error correcting code	148
Lipin Bill CHENG and Ren Jye YEH	

Correction of the Arabic derived words using surface patterns	153
Mohammed NEJJA and Abdellah YOUSFI	
A New performances Analysis For MRC Receiver over Correlated Weibull Multipath Fading Channels	157
Abdelmajid BESSATE and Faissal EL BOUANANI	
Study and Comparison of Smart City Dedicated Platforms : Case of the KalimUCHO Platform	161
Abdelkarim BENHAOURECH, Abdessadek AAROUD, Philippe ROOSE and Khalid ZINE-DINE	
Author Index	167