2015 International Conference on Applied Research in Computer Science and Engineering (ICAR 2015)

Beirut, Lebanon 8 – 9 October 2015



IEEE Catalog Number: 9 ISBN:

CFP15GAB-POD 978-1-4673-8543-5

Table of Content

Demo of the XSDF Prototype for XML Semantic Disambiguation 1 Nathalie Charbel, Joe Tekli, Richard Chbeir and Gilbert Tekli

Towards Greener Services in Cloud Computing: Re-search and Future Directives 6 Soha Rawas, Wassim Itani, Ali Zaart and Ahmed Zekri.

Novel indoor navigation system for Visually Impaired and blind people 14 *Kabalan Chaccour and Georges Badr.*

A New Uplink Interference Mitigation in HetNets using Macro Uplink Subframe Muting 19 Bachir Lahad, Marc Ibrahim and Kinda Khawam

RRH Clustering in Cloud Radio Access Networks25Karen Boulos, Melhem El Helou and Samer Lahoud.

Comparison between Access Selection Algorithms in Multi-operator Wireless Networks 31 Soha Farhat, Abed Ellatif Samhat, Samer Lahoud and Bernard Cousin.

A restructuring of 2D matrix transpose algorithm and its implementations on generalpurpose CPUs with SSE4 vector extensions 39 *Ahmed Zekri*

Paillier's Encryption: Implementation and Cloud Applications. 46 Mohamed Nassar, Abdelkarim Erradi and Qutaibah Malluhi

Design and Realization of a New Efficient Neural Block Cipher 51

Hassan Noura, Abed Ellatif Samhsat and Youssef Harkouss.

Analysis of the tradeoff between compression ratio and security level in real-time voice communication *Ahmad Fadlallah, Mohamad Raad and Abdallah Attie.*

Effect of Malicious Nodes on Tor Security Maria Khan, , Muhammad Saddique, Umar Pirzada, Muhammad Zohaib, Afzaal Ali, Bilal Wadud, Imran Ahmad

Experimental Analysis And Comparison Of Multilabel Problem Transformation Methods For Multimedia Domain *Ziad Abdallah, Ali El-Zaart and Mohamad Oueidat.*

Towards internal privacy and flexible K-anonymity *Hussein Hellani, Rima Kilany and Maria Sokhn.*

Cluster-head election using Fuzzy logic for VANET Bouchra Marzak, Elhabib Benlahmar and Mohamed Talea

Edge Detection in Prostate PSMA Images *Wafaa Jibory and Ali El-Zaart*

Facial expressions of emotion of interest Kenza Belhouchet, Mohamed Berkane and Hacene Belhadef

Entropy Model for SKCANUM (Symmetric Key Cryptography Algorithms Based on Numerical Methods) *Hiba Othman, Youssef Hassoun and Michel Owayjan.*

Tracking and repairing damaged databases using the matrix *Ramzi Haraty, Sanaa Kaddoura and Ahmed Zekri.*

Toward Using Data Trust Model in VANETs Hanaa Basheer, Carole Bassil and Bilal Chbaro.

The Recognition of the Closed-set Patterns in the Saudi License Plates *Salah Al-Shami, Ali El-Zaart, Rached Zantout, Ahmed Zekri and Khaled Almustafa.*

Ear Description and Recognition Using ELBP and Wavelets *Amir Benzaoui*

Identity Recognition Based on the External Shape of the Human Ear *Amir Benzaoui*

Performance Study of Steganalysis Techniques Yousra Ahmed Fadil, Christophe Guyeux, Jean-Francois Couchot, Raphael Couturier and Bechara Al Bouna

Hexadecimal to Binary Conversion Using Multi-Input Floating Gate Complementary Metal Oxide Semiconductors *Hassan Osseily and Ali Haidar*