

2014 4th International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems

(VITAE 2014)

Aalborg, Denmark
11-14 May 2014



IEEE Catalog Number: CFP1469G-POD
ISBN: 978-1-4799-4623-5

TABLE OF CONTENTS

PERFORMANCE IMPROVEMENT OF OFDM BASED VIRTUAL QOSTBC	1
<i>Veljovic, Zoran ; Urosevic, Ugljesa</i>	
NETWORK CODING BASED MULTIPLE-ACCESS CHANNEL WITH A DEDICATED-RELAY VERSUS COOPERATIVE COMMUNICATIONS	6
<i>Das Menghwar, Gordhan ; Soomro, Shazia Parveen ; Mecklenbrauker, Christoph F.</i>	
NEURAL MODELING OF LINK OCCUPANCY FOR WIRELESS TRANSMISSIONS USING MARKOV REWARD MODELS	11
<i>Lokshina, Izabella ; Bartolacci, Michael</i>	
SMART RISK ASSESSMENT SYSTEMS USING BELIEF-RULE-BASED DSS AND WSN TECHNOLOGIES.....	16
<i>Andersson, Karl ; Hossain, Mohammad Shahadat</i>	
SMARTPHONE ASSISTED SECURITY PAIRINGS FOR THE INTERNET OF THINGS.....	21
<i>Suomalainen, Jani</i>	
PERFOMANCE ANALYSIS AND OPTIMIZATION OF DA2GC USING LTE ADVANCED TECHNOLOGY	26
<i>Chen, Shun-Ping</i>	
ON THE OPTIMAL SOLUTION FOR PERFORMANCE ENHANCEMENT IN INFRASTRUCTURE OFDM RELAY SYSTEMS.....	31
<i>Kocan, Enis ; Pejanovic-Djurisic, Milica</i>	
PERFORMANCE IMPROVEMENT OF TWO-HOP COOPERATIVE RELAY SYSTEM UNDER CORRELATED RICEAN FADINGS.....	36
<i>Ilic-Delibasic, Maja ; Pejanovic-Djurisic, Milica</i>	
REGULARIZED ADAPTIVE ALGORITHMS BASED-TIME DOMAIN ITERATIVE CHANNEL ESTIMATION FOR MC-IDMA SYSTEMS.....	40
<i>Oyerinde, Olutayo O. ; Mneney, Stanley H.</i>	
POWER BACKUP DENSITY BASED CLUSTERING ALGORITHM FOR MAXIMIZING LIFETIME OF WIRELESS SENSOR NETWORKS	45
<i>Wagh, Sanjeev ; Prasad, Ramjee</i>	
LOW COMPLEXITY RRA VERSUS OTHER RRA SCHEMES IN THE OFDMA DOWNLINK: A COMPARISON	50
<i>Isaac, B.N. ; Dlodlo, M.E. ; Velempini, M.</i>	
VERIFICATION OF OFDM ERROR FLOOR IN TIME-DISPERSIVE LTE FDD DL CHANNEL	55
<i>Lipovac, Adriana ; Lipovac, Vlatko ; Hamza, Mirza</i>	
PERFORMANCE OF EVEN- AND ODD-DEGREE GOLD CODES IN A MULTI-USER SPREAD- SPECTRUM SYSTEM	60
<i>Wojuola, Olanrewaju B. ; Mneney, Stanley H.</i>	
SPACE-TIME STORAGE CODES FOR WIRELESS DISTRIBUTED STORAGE SYSTEMS	65
<i>Hollanti, Camilla ; Karpuk, David ; Barreal, Amaro ; Lu, Hsiao-feng Francis</i>	
MOBILITY AND QUEUE BASED GUARD CHANNEL SCHEME FOR CELLULAR NETWORKS.....	70
<i>Candan, Idil</i>	
AN EFFICIENT SCHEDULE BASED DATA AGGREGATION USING NODE MOBILITY FOR WIRELESS SENSOR NETWORK	74
<i>Mantri, Dnyaneshwar S ; Pawar, Pranav M ; Prasad, Neeli Rashmi ; Prasad, Ramjee</i>	
UGC QUALITY EVALUATION BASED ON USER COMMUNITIES AND CONTENTS	79
<i>Lin, Xin ; Li, Lei ; Zhai, Yue ; Qi, Jiayin</i>	
LIGHTWEIGHT AND SECURE ENCRYPTION USING CHANNEL MEASUREMENTS	84
<i>Fragkiadakis, Alexandros ; Tragos, Elias ; Traganitis, Apostolos</i>	
COMPARISON ABOUT EEG SIGNALS PROCESSING IN BCI APPLICATIONS	89
<i>Cisotto, Giulia ; Pupolin, Silvano ; Piccione, Francesco</i>	
AN ANALYSIS OF VOICE OVER INTERNET PROTOCOL IN WIRELESS MESH NETWORKS	94
<i>Meeran, Mohammad Tariq ; Tucker, William D.</i>	
ENERGY EFFICIENT COLLECTION OF SPECTRUM OCCUPANCY DATA IN WIRELESS COGNITIVE SENSOR NETWORKS.....	99
<i>Stamatakis, George ; Tragos, Elias Z. ; Traganitis, Apostolos</i>	
PERFORMANCE OF RELAY-AIDED DOWNLINK MC-CDMA SYSTEM USING TRANSMITTER PREPROCESSING	104
<i>Ravi, Ananya ; Haribhaskaran, Alagu Sanjana ; Sridharan, Bhanusri ; Nagaradjane, Prabagaran</i>	

A TASK-ORIENTED BRAIN-COMPUTER INTERFACE REHABILITATION SYSTEM FOR PATIENTS WITH STROKE HEMIPLEGIA	109
<i>Ushiba, Junichi ; Morishita, Asuka ; Maeda, Tsuyoshi</i>	
A REVIEW ON SECURITY THREATS IN COGNITIVE RADIO	112
<i>Banerjee, Abhinaba ; Das, Sushanta</i>	
TIME-FREQUENCY MSE ANALYSIS FOR PILOT AIDED CHANNEL ESTIMATION IN OFDM SYSTEMS	117
<i>Biagini, Massimiliano ; Morosi, Simone ; Argenti, Fabrizio ; Del Re, Enrico</i>	
RFID TAG INDOOR LOCALIZATION BY FINGERPRINTING METHODS.....	122
<i>Belhadi, Zineb ; Fergani, Lamyia ; Fergani, Bellacem ; Laheurte, Jean-Marc</i>	
IMPROVED INFORMATION GAIN-BASED FEATURE SELECTION FOR TEXT CATEGORIZATION.....	127
<i>Gao, Zhe ; Xu, Yajing ; Meng, Fanyu ; Qi, Feng ; Lin, Zhiqing</i>	
SMART STRUCTURAL MONITORING — A CASE OF BRIDGE DAMAGE DETECTION	132
<i>Ali, Shamshad ; Shaikh, Faisal Karim ; Chowdhry, Bhawani S. ; Felemban, Emad</i>	
INTELCITY, COMPREHENSIVE MANAGEMENT PLATFORM FOR SMART CITIES	137
<i>Perez, N. ; Poncela, J. ; Moreno, J.M. ; Memon, M.</i>	
ANALYSIS OF M2M CAPABILITIES IN 4G	142
<i>Poncela, J. ; Moreno, J.M. ; Aamir, M.</i>	
THRESHOLD CRYPTOGRAPHY-BASED GROUP AUTHENTICATION (TCGA) SCHEME FOR THE INTERNET OF THINGS (IOT)	147
<i>Mahalle, Parikshit N. ; Prasad, Neeli Rashmi ; Prasad, Ramjee</i>	
A SLIDING-WINDOW-BASED GRAPH MODEL FOR DYNAMIC CHARACTERISTICS ANALYSIS OF INTERNET TRAFFIC	152
<i>Zhang, Xinyu ; Yu, Ke ; Yang, Jin ; Xu, Chunying</i>	
SUNSEED — AN EVOLUTIONARY PATH TO SMART GRID COMMS OVER CONVERGED TELCO AND ENERGY PROVIDER NETWORKS	157
<i>Stefanovic, Cedomir ; Popovski, Petar ; Jorguseski, Ljupco ; Sernec, Radovan</i>	
SECRECY CAPACITY OF THE NOISE-LOOP SECURE MODULATION.....	162
<i>Mucchi, L. ; Ronga, L. ; Del Re, E. ; Chisci, L.</i>	
EXCHANGING INFORMATION IN WIRELESS SENSOR NETWORKS AT VERY LOW TIME CONSUMPTION RATE IN AN EFFICIENT HYBRID CRYPTOGRAPHIC ALGORITHM	167
<i>Jatoi, Piyar Ali ; Chowdhry, B.S ; Memon, Aftab A ; Ullah, Muhammad Ghazanfar</i>	
INTREPID: A PROJECT ON ENERGY OPTIMIZATION IN BUILDINGS	172
<i>Pedersen, Thomas ; Ravn, Anders P. ; Skou, Arne</i>	
DUALITY ON TIMING ALIGNMENT AND RADIO RESOURCES ORTHOGONALITY TOWARD 5G HETEROGENEOUS NETWORKS	176
<i>Lien, Shao-Yu ; Cheng, Shin-Ming ; Lin, Yu-Yu</i>	
CO-TIER UPLINK POWER CONTROL IN FEMTOCELL NETWORKS BY STACKELBERG GAME WITH PRICING	181
<i>Tseng, Chih-Cheng ; Peng, Ching-Shun ; Lo, Shih-Han ; Wang, Hwang-Cheng ; Kuo, Fang-Chang ; Ting, Kuo-Chang</i>	
DETERMINING OF COMPATIBLE DIFFERENT ATTRIBUTES FOR ONLINE MENTORING MODEL	186
<i>Nuankae, Pratya ; Temdee, Punnarumol</i>	
A HYBRID APPROACH TO IDENTIFYING SENTIMENT POLARITY FOR NEW WORDS	191
<i>Yang, Yang ; Li, Ruiyan ; Zhou, Yanquan</i>	
AN A-RBAC MECHANISM FOR A MULTI-TENANCY CLOUD ENVIRONMENT	196
<i>Yang, Ta-Chih ; Guo, Ming-Huang</i>	
NETWORK TRAFFIC ANALYSIS BASED ON HADOOP	201
<i>Yang, Jie ; He, Haiyang ; Qiao, Yuanyuan</i>	
EVALUATING USER INFLUENCE BASED ON WEB2.0 UGC	206
<i>Zhai, Yue ; Li, Lei ; Lin, Xin ; Qi, Jiayin</i>	
VIRTUAL NETWORK MAPPING FOR MULTI-DOMAIN DATA PLANE IN SOFTWARE-DEFINED NETWORKS.....	211
<i>Zhou, Boyang ; Gao, Wen ; Zhao, Shanshan ; Lu, Xinjia ; Du, Zhong ; Wu, Chunming ; Yang, Qiang</i>	
OBJECT TRACKING BASED ON ACTIVE CONTOUR MODELING	216
<i>Musavi, S.H.A. ; Chowdhry, B.S. ; Bhatti, Jawad</i>	
CROSS-MODAL ASSOCIATIVE MEMORY BY MULTISOM	221
<i>Liu, Zhongwan ; Wang, Xiaojie</i>	
CONSTRUCTIONS OF OPTIMAL AND ALMOST OPTIMAL LOCALLY REPAIRABLE CODES.....	226
<i>Ernvall, Toni ; Westerback, Thomas ; Hollanti, Camilla</i>	

A “BEST CURRENT PRACTICE” FOR 3GPP-BASED CELLULAR SYSTEM SECURITY	231
<i>Koien, Geir M.</i>	
STRUCTURED DIFFUSION: AMPLIFY YOUR VOICE IN ONLINE SOCIAL NETWORKS	239
<i>Xie, Jianjun ; Zhang, Chuang ; Wu, Ming ; Lin, Zhiqing</i>	
SMART CONTROL OF ENERGY DISTRIBUTION GRIDS OVER HETEROGENEOUS COMMUNICATION NETWORKS	244
<i>Olsen, Rasmus L. ; Iov, Florin ; Hagerling, Christian ; Wietfeld, Christian</i>	
A NEW APPROACH FOR DETECTING SPAM MICROBLOGS BASED ON TEXT AND USER'S SOCIAL NETWORK FEATURES	249
<i>Wang, Kaiyu ; Wang, Yumei ; Li, Hongqiao ; Xiong, Yilin ; Zhang, Xinyu</i>	
SECURE CACHING WITH NON-UNIFORM DEMANDS	254
<i>Sengupta, Avik ; Tandon, Ravi ; Clancy, T.Charles</i>	
SPECTRUM SENSING BASED ON SPECTRAL CORRELATION FOR COGNITIVE RADIO SYSTEMS	259
<i>Martian, Alexandru ; Sandu, Bogdan Tudor ; Fratu, Octavian ; Marghescu, Ion ; Craciunescu, Razvan</i>	
SMART INTEGRATION OF CLOUD COMPUTING AND MCMC BASED SECURED WSN TO MONITOR ENVIRONMENT	263
<i>Ahmed, Muhammad R. ; Cui, Hongyan ; Huang, Xu</i>	
MODIFIED PROPORTIONAL FAIR FOR LTE FEMTO CELLS WITH EICIC	268
<i>Atef, Islam ; Sourour, Essam</i>	
MODELING OF STUDENT AND LEARNING OBJECT INTERACTIONS TOWARD UBIQUITOUS LEARNING ENVIRONMENT	273
<i>Temdee, Punnarumol</i>	
SUPERVOXELS FOR HUMAN AND CLOTHES IN RGB-D IMAGE	278
<i>Qi, Feng ; Zhang, Honggang ; Zhang, Bo ; Ma, Zhanyu ; Liu, Na</i>	
FAST REAL-TIME HARDWARE ENGINE FOR ZWC TEXT STEGANOGRAPHY	283
<i>Odeh, Ammar ; Elleithy, Khaled ; Faezipour, Midad</i>	
IMPACT OF DISTRIBUTED GENERATION ON NETWORK SHORT CIRCUIT LEVEL	288
<i>Uqaili, Muhammad Aslam ; Sahito, Anwar Ali ; Halepoto, Irfan Ahmed ; Memon, Zubair Ahmed ; Dars, Sada Bakhsh</i>	
DISTRIBUTED PROCESS MONITORING AND CONTROL USING FPGA	293
<i>Hashmi, Syed Waqad Ali ; Rehan, Muhammad ; Aamir, Muhammad ; Kumar, Haresh ; Liaquat, Faraz</i>	
NODE DISCOVERY AND INTERPRETATION IN UNSTRUCTURED RESOURCE-CONSTRAINED ENVIRONMENTS	298
<i>Gechev, Miroslav ; Kasabova, Slavyana ; Mihovska, Albena ; Poulov, Vladimir ; Prasad, Ramjee</i>	
RFID-BASED AND KINECT-BASED INDOOR POSITIONING SYSTEM	303
<i>Wang, Ching-Sheng ; Chen, Chien-Liang</i>	
DESIGN OF INTELLIGENT CAPABILITIES IN SDN	307
<i>Cui, Hongyan ; Zhu, Yabo ; Yao, Yuan ; Yufeng, Li ; Liu, Yunjie</i>	
MMOHLA: MOBILITY AWARE MULTI-OBJECTIVE HYBRID ROUTING ALGORITHM FOR WIRELESS SENSOR NETWORKS	312
<i>Kulkarni, Nandkumar ; Prasad, Neeli Rashmi ; Prasad, Ramjee</i>	
EPIKOUROS — VIRTUALIZED PLATFORMS USING HETEROGENEOUS SENSOR SERVICES IN CLOUD COMPUTING ENVIRONMENT	317
<i>Vouyioukas, Demosthenes ; Moralis, Athanasios ; Sardis, Manolis ; Drakoulis, Dimitris ; Labropoulos, George ; Kyriazakos, Sofoklis ; Dres, Dimitris</i>	
COOPERATIVE GPS POSITIONING WITH PEER-TO-PEER TIME ASSISTANCE	322
<i>Morosi, Simone ; Del Re, Enrico ; Martinelli, Alessio</i>	
UPLINK UTILIZATION WITH V2V2R COMMUNICATIONS IN CLUSTERED VEHICULAR NETWORKS	327
<i>Guclu, Salih Serdar ; Altilar, Deniz Turgay</i>	
ACHIEVABLE SECRECY RATES OVER MIMOME GAUSSIAN CHANNELS WITH GMM SIGNALS IN LOW-NOISE REGIME	332
<i>Renna, Francesco ; Laurenti, Nicola ; Tomasin, Stefano</i>	
THE UN-POLARIZED BIT-CHANNELS IN THE WIRETAP POLAR CODING SCHEME	337
<i>Mirghasemi, Hamed ; Belfiore, Jean-Claude</i>	
A HYBRID ALGORITHM FOR EFFICIENT WIRELESS SENSOR NETWORK TIME SYNCHRONIZATION	342
<i>Pawar, Pranav M. ; Nielsen, Rasmus H. ; Prasad, Neeli R. ; Prasad, Ramjee</i>	
IMPACT OF TRANSFORM CODING IN COMPRESSIVE SENSING BASED WIDEBAND COGNITIVE RADIOS	347
<i>Alam, Sk.Shariful ; Marcenaro, Lucio ; Regazzoni, Carlo S.</i>	

SECURE CAPABILITY-BASED ACCESS CONTROL IN THE M2M LOCAL CLOUD PLATFORM	352
<i>Anggorojati, Bayu ; Prasad, Neeli Rashmi ; Prasad, Ranjee</i>	
A NOVEL BUFFER MANAGEMENT FOR DELAYED DELIVERY TRAFFIC IN FUTURE NETWORKS	357
<i>Chitti, Sri Hanuma ; Prasad, Neeli R. ; Ovsthus, Knut ; Prasad, Ranjee</i>	
LOCATION ESTIMATION BASED ON CONVEX OVERLAPPING COMMUNICATION REGIONS IN WIRELESS AD HOC SENSOR NETWORKS	362
<i>Chen, Yeong-Sheng ; Chang, Shih-Hao ; Teng, Chun-Chien</i>	
STATE-OF-THE-ART COMPARATIVE COST MODELING OF HEAVILY-LOADED WIRELESS HETEROGENEOUS NETWORKS	367
<i>Nikolic, Vladimir ; Janevski, Toni</i>	
DISTRIBUTED BEAMFORMING FOR COGNITIVE RADIO	372
<i>Nikookar, Homayoun ; Lighthart, Leo</i>	
A FRAMEWORK FOR QOS NEGOTIATION IN THINGS-AS-A-SERVICE ORIENTED ARCHITECTURES	377
<i>Mingozzi, E. ; Tanganelli, G. ; Vallati, C.</i>	
EVALUATION AND PROSPECTS FROM A MEASUREMENT CAMPAIGN ON REAL MULTIMEDIA TRAFFIC IN LTE VS. UMTS	382
<i>Fowler, Scott ; Sarfraz, Jalal ; Abbas, Muhammad Muddassir ; Bergfeldt, Erik ; Angelakis, Vangelis</i>	
FUTURE NETWORKS FOR CONVERGENT CLOUD AND M2M MULTIMEDIA APPLICATIONS	387
<i>Suciu, George ; Vulpe, Alexandru ; Fratu, Octavian ; Suciu, Victor</i>	
ON THE SUM-RATE CAPACITY OF A 2-USER MULTIPLE ACCESS WIRETAP CHANNEL WITH ONE SECRET USER	391
<i>Karmakar, Sanjay</i>	
RESILIENCE OF THE IMS SYSTEM: THE RESILIENCE EFFECT OF INTER-DOMAIN COMMUNICATIONS	396
<i>Kamyod, Chayapol ; Nielsen, Rasmus Hjorth ; Prasad, Neeli Rashmi ; Prasad, Ranjee</i>	
APPLICABILITY OF MACRO SENSOR NETWORK IN DISASTER SCENARIOS	400
<i>Paudel, Dipesh ; Sae, Joonas ; Lempainen, Jukka</i>	
COMPARISON OF PROPAGATION MODELS ITU.R-P.1546 AND ITU.R-P.1812	405
<i>Paunovska, Lidija ; Gavrilovska, Liljana</i>	
MACHINE-TO-MACHINE TRAFFIC CHARACTERIZATION: MODELS AND CASE STUDY ON INTEGRATION IN LTE	410
<i>Smiljkovic, Katerina ; Atanasovski, Vladimir ; Gavrilovska, Liljana</i>	
NOVEL BUILDING MANAGEMENT SYSTEM BASED ON MACHINE LEARNING AND A CLOUD-BASED SOA FOR AMBIENT LIVING	415
<i>Kyriazakos, Sofoklis ; Labropoulos, George ; Zonidis, Nikos ; Foti, Magda</i>	
ARCHITECTURE DESIGN OF AN EARLY WARNING MONITORING SYSTEM FOR CHEMICAL WATER BODIES CONTAMINATION	420
<i>Manfredonia, I. ; Stallo, C. ; Ruggieri, M. ; Buonasera, K. ; Pezzotti, G.</i>	
A SPECTRUM HANDOFF SCHEME BASED ON COMPREHENSIVE COST IN COGNITIVE RADIO SYSTEM	424
<i>Tianwei, Wen ; Yafeng, Wang ; Chao, Li</i>	
A METHOD FOR WATERMARKING ON FACIAL IMAGES	429
<i>Phiasai, Tejasin ; Chamnongthai, Kosin ; Temdee, Punnarumol</i>	
DTT PERFORMANCE DEGRADATION IN PRESENCE OF COEXISTING LTE NETWORK INTERFERENCE	433
<i>Denkovska, Marija ; Latkoski, Pero ; Gavrilovska, Liljana</i>	
ADAPTIVE COMPRESSIVE SENSING FOR ENERGY EFFICIENT SMART OBJECTS IN IOT APPLICATIONS	438
<i>Fragkiadakis, Alexandros ; Charalampidis, Pavlos ; Tragos, Elias</i>	
SWAN: AN SDN BASED CAMPUS WLAN FRAMEWORK	443
<i>Lei, Tao ; Lu, Zhaoming ; Wen, Xiangming ; Zhao, Xing ; Wang, Luhuan</i>	
A COMPARISON MODEL FOR THE WIRELESS LOCAL AREA NETWORK TECHNOLOGIES: 802.11N AND HENB IN LTE NETWORKS	448
<i>Ting, Kuo-Chang ; Tseng, Chih-Cheng ; Wang, Chia-Pin ; Wang, Hwang-Cheng ; Kuo, Fang-Chang</i>	
OPTIMAL DESIGN OF UHF TV BAND LOG-PERIODIC ANTENNA USING INVASIVE WEED OPTIMIZATION	453
<i>Lazaridis, P.I. ; Zaharis, Z.D. ; Skeberis, C. ; Xenos, T. ; Tziris, E. ; Gallion, P.</i>	

OPTIMIZED RESOURCE STIPULATION FOR VIDEO ON DEMAND VIA ZONEMINDER	458
<i>Deshmukh, Aaradhana A. ; Mihovska, Albena ; Prasad, Ramjee</i>	
OPTIMIZED DESIGN OF SUN SENSOR AND CENTROID ALGORITHM FOR SMALL SATELLITE MISSION	463
<i>Alvi, Bilal A. ; Abbas, Naeem ; Israr, Amber ; Asif, Muhammad</i>	
NET ZERO EMISSIONS IN RADIO BASE STATIONS OPERATING AT DIFFERENT CONDITIONS	467
<i>Sabater, Pere ; Pol, Andreu Moia ; Ganzo, Angel Igelmo ; Colom, Jaume Ochogavia ; Mihovska, Albena ; Prasad, Ramjee</i>	
QOS-AWARE DOWNLINK SCHEDULING IN MULTI-CARRIER COMMUNICATION SYSTEMS	472
<i>Vulpe, Alexandru ; Halunga, Simona ; Fratu, Octavian</i>	
ENERGY EFFICIENCY VS. THROUGHPUT TRADE-OFF IN AN LTE-A SCENARIO	477
<i>Mihaylov, Mihail ; Mihovska, Albena ; Prasad, Ramjee ; Semov, Plamen ; Poulikov, Vladimir</i>	
UHF TV BAND SPECTRUM AND FIELD-STRENGTH MEASUREMENTS BEFORE AND AFTER ANALOGUE SWITCH-OFF	482
<i>Lazaridis, P.I. ; Kasampalis, S. ; Zaharis, Z.D. ; Cosmas, J. ; Bizopoulos, A. ; Latkoski, P. ; Gavrilovska, L. ; Fratu, O. ; Prasad, R.</i>	
IMPLEMENTATION AND TESTING OF OPTIMAL DESIGN OF RTU HARDWARE FOR WIRELESS SCADA.....	487
<i>Aamir, Muhammad ; Uqaili, Muhammad Aslam ; Poncela, Javier ; Khan, Nishat Ahmad ; Chowdhry, B.S.</i>	
NEW ACCELERATED SIMULATION METHOD TO OBTAIN THE PERFORMANCE OF CONCATENATED CODES.....	492
<i>Cercas, Eduardo F.B. ; Sebastiao, Pedro J.A. ; Cercas, Francisco A.B.</i>	
SUBSCRIBER GROUP BEHAVIORAL ANALYSIS FOR DATA-CENTRIC SERVICE CONSUMPTION BEYOND LTE-ADVANCED	497
<i>Goncalves, Luis ; Sebastiao, Pedro ; Souto, Nuno ; Correia, Americo</i>	
2G SPECTRUM AUCTION IN INDIA — AN ANALYSIS	502
<i>Tripathi, P.S.M. ; Chandra, A. ; Prasad, Ramjee</i>	
AN ANALYSIS MODELING OF FRAME-LEVEL FORWARD ERROR CORRECTION FOR H.264/AVC OVER BURST-LOSS CHANNELS	507
<i>Hsiao, Ping-Wen ; Kuo, Chun-I ; Shieh, Ce-Kuen ; Hwang, Wen-Shyang ; Ke, Chih-Heng ; Chen, Yeong-Sheng</i>	
WILDLIFE CONSERVATION AND RAIL TRACK MONITORING USING WIRELESS SENSOR NETWORKS.....	512
<i>Mathur, Prateek ; Nielsen, Rasmus H. ; Prasad, Neeli R. ; Prasad, Ramjee</i>	
MODERN AND OPTIMIZED PLANNING TOOL FOR MICROWAVE LINK DESIGN	516
<i>Damiao, Marco ; Costa, Miguel ; Cercas, Francisco ; Sebastiao, Pedro ; Sanguino, Jose</i>	
ON THE DESIGN OF SPREADING SEQUENCES FOR CDMA SYSTEMS WITH NONLINEAR OQPSK-TYPE MODULATIONS	521
<i>da Luz, Angelo ; Cercas, Francisco ; Sebastiao, Pedro ; Dinis, Rui</i>	
“ONE OF OUR HOSTS IN ANOTHER COUNTRY”: CHALLENGES OF DATA GEOLOCATION IN CLOUD STORAGE	526
<i>Paladi, Nicolae ; Michalas, Antonis</i>	
RESOURCE ALLOCATION FOR NETWORK-ASSISTED DEVICE-TO-DEVICE DISCOVERY	532
<i>Hu, Liang</i>	
Author Index	