

2017 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS 2017)

**Atlanta, Georgia, USA
1-4 May 2017**

Pages 1-498



**IEEE Catalog Number: CFP1723E-POD
ISBN: 978-1-5386-2785-3**

**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:	CFP1723E-POD
ISBN (Print-On-Demand):	978-1-5386-2785-3
ISBN (Online):	978-1-5386-2784-6

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

TABLE OF CONTENTS

EFFECTIVE AND SCALABLE REPACKAGED APPLICATION DETECTION BASED ON USER INTERFACE	1
<i>Meiqi Lin ; Dafang Zhang ; Xin Su ; Tinghao Yu</i>	
FUZZYDP: FUZZY-BASED BIG DATA PUBLISHING AGAINST INQUIRY ATTACKS	7
<i>Youyang Qu ; Shui Yu ; Longxiang Gao ; Sancheng Peng ; Yong Xiang ; Liang Xiao</i>	
INTRUSION AND ATTACKS OVER MOBILE NETWORKS AND CLOUD HEALTH SYSTEMS	13
<i>Lo'ai A. Tawalbeh ; Hala Tawalbeh ; Houbing Song ; Yaser Jararweh</i>	
TEXTDROID: SEMANTICS-BASED DETECTION OF MOBILE MALWARE USING NETWORK FLOWS	18
<i>Shanshan Wang ; Qiben Yan ; Zhenxiang Chen ; Bo Yang ; Chuan Zhao ; Mauro Conti</i>	
DIRECTORY SERVICE FOR MOBILE IOT APPLICATIONS	24
<i>Ved P. Kafle ; Yusuke Fukushima ; Pedro Martinez-Julia ; Hiroaki Harai</i>	
HETEROGENEOUS WIRELESS SENSOR NETWORKS USING COAP AND SMS TO PREDICT NATURAL DISASTERS	30
<i>Raihan Ul Islam ; Karl Andersson ; Mohammad Shahadat Hossain</i>	
A SIMPLE, COST-EFFECTIVE ADDRESSING AND ROUTING ARCHITECTURE FOR FAT-TREE BASED DATACENTER NETWORKS	36
<i>Aqun Zhao ; Zhiyu Liu ; Jianping Pan ; Mangui Liang</i>	
ON POWER CONSUMPTION PROFILES FOR DATA INTENSIVE WORKLOADS IN VIRTUALIZED HADOOP CLUSTERS	42
<i>B. Qureshi ; S. Alwehaibi ; A. Koubaa</i>	
EFFICIENT AND FAIR SCHEDULING OF PLACEMENT CONSTRAINED THREADS ON HETEROGENEOUS MULTI-PROCESSORS	48
<i>Jalal Khamse-Ashari ; George Kesidis ; Ioannis Lambadaris ; Bhuvan Uргаonkar ; Yiqiang Zhao</i>	
SIMULATED ANNEALING FOR EDGE PARTITIONING	54
<i>Hlib Mykhailenko ; Giovanni Neglia ; Fabrice Huet</i>	
UAV-ASSISTED EDGE INFRASTRUCTURE FOR CHALLENGED NETWORKS	60
<i>Mamta Narang ; Simon Xiang ; William Liu ; Jairo Gutierrez ; Luca Chiaraviglio ; Arjuna Sathiseelan ; Arvind Merwaday</i>	
REALISTIC NETWORK SIMULATION IN THE UB-ANC AERIAL VEHICLE NETWORK EMULATOR	66
<i>Jalil Modares ; Nicholas Mastrorarde ; Karthik Dantu</i>	
EXPLICIT TOPOLOGY MANAGEMENT FOR CONTINENTAL-SCALE AIRBORNE NETWORKS	72
<i>Ben Newton ; Jay Aikat ; Kevin Jeffay</i>	
THOREAU: A SUBTERRANEAN WIRELESS SENSING NETWORK FOR AGRICULTURE AND THE ENVIRONMENT	78
<i>Xufeng Zhang ; Arseniy Andreyev ; Colleen Zumpf ; M. Cristina Negri ; Supratik Guha ; Monisha Ghosh</i>	
IMPROVING THE ENERGY PERFORMANCE OF GPS RECEIVERS FOR LOCATION TRACKING APPLICATIONS	85
<i>Kongyang Chen ; Guang Tan ; Mingming Lu</i>	
EFFICIENT TOPOLOGY DISCOVERY AND ROUTING IN THICK WIRELESS LINEAR SENSOR NETWORKS	91
<i>Imad Jawhar ; Sheng Zhang ; Jie Wu ; Nader Mohamed ; Mohammad M. Masud</i>	
AN ATTRIBUTE-BASED RELIABLE MULTICAST-OVER-BROADCAST PROTOCOL FOR FIRMWARE UPDATES IN SMART METER NETWORKS	97
<i>Samet Tonyali ; Kemal Akkaya ; Nico Saputro</i>	
TIMELY INFORMATION DISSEMINATION WITH DISTRIBUTED STORAGE IN DELAY TOLERANT MOBILE SENSOR NETWORKS	103
<i>Aashish Dhungana ; Eyuphan Bulut</i>	
AN ADAPTABLE REPLICATION SCHEME IN MOBILE ONLINE SYSTEM FOR MOBILE-EDGE CLOUD COMPUTING	109
<i>Wan-Chi Chang ; Pi-Chung Wang</i>	
COMPUTATION OFFLOADING CONSIDERING FRONTHAUL AND BACKHAUL IN SMALL-CELL NETWORKS INTEGRATED WITH MEC	115
<i>Heli Zhang ; Jun Guo ; Lichao Yang ; Xi Li ; Hong Ji</i>	
ENERGY-EFFICIENT RESOURCE ALLOCATION IN SOFTWARE-DEFINED MOBILE NETWORKS WITH MOBILE EDGE COMPUTING AND CACHING	121
<i>Chengchao Liang ; Ying He ; F. Richard Yu ; Nan Zhao</i>	
DISTRIBUTED MOBILE DEVICES CACHING OVER EDGE COMPUTING WIRELESS NETWORKS	127
<i>Xi Zhang ; Qixuan Zhu</i>	
PERVASIVE EDGE DATA SHARING IN MANET	133
<i>Xintong Song ; Yaodong Huang ; Qian Zhou ; Fan Ye ; Yuanyuan Yang ; Xiaoming Li</i>	
AN LTE-BASED OPTIMAL RESOURCE ALLOCATION SCHEME FOR DELAY-SENSITIVE M2M DEPLOYMENTS COEXISTENT WITH H2H USERS	139
<i>Mohammed Y. Abdelsadek ; Yasser Gadallah ; Mohamed H. Ahmed</i>	

ENERGY EFFICIENT RESOURCE ALLOCATION FOR MACHINE-TO-MACHINE COMMUNICATIONS WITH NOMA AND ENERGY HARVESTING	145
<i>Zhaohui Yang ; Yijin Pan ; Wei Xu ; Rui Guan ; Yinlu Wang ; Ming Chen</i>	
OPTIMAL DISTRIBUTED CHANNEL ASSIGNMENT IN D2D NETWORKS USING LEARNING IN NOISY POTENTIAL GAMES	151
<i>Mohd. Shabbir Ali ; Pierre Coucheney ; Marceau Coupechoux</i>	
DUPLEX MODE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATIONS UNDERLAYING THE CELLULAR UPLINK	157
<i>Liang Han ; Weixia Zou ; Ganlin Zhao</i>	
VIRTUAL RESOURCE ALLOCATION FOR HETEROGENEOUS SERVICES IN FULL DUPLEX-ENABLED SMALL CELL NETWORKS WITH CACHE AND MEC	163
<i>Zhiyuan Tan ; F. Richard Yu ; Xi Li ; Hong Ji ; Victor C. M. Leung</i>	
PROVISIONING LOW LATENCY, RESILIENT MOBILE EDGE CLOUDS FOR 5G	169
<i>Russell Ford ; Ashwin Sridharan ; Robert Margolies ; Rittwik Jana ; Sundeep Rangan</i>	
ON-PATH COLLABORATIVE IN-NETWORK CACHING FOR INFORMATION-CENTRIC NETWORKS	175
<i>Lemei Huang ; Yu Guan ; Xinggong Zhang ; Zongming Guo</i>	
INFORMATION-AWARE ACCESS NETWORK SELECTION	181
<i>Konstantinos V. Katsaros ; Denis Shtefan ; Vasilis Sourlas ; Ioannis Psaras ; Sergi Rene ; George Pavlou</i>	
STORAGEFLOW: SDN-ENABLED EFFICIENT DATA REGENERATION FOR DISTRIBUTED STORAGE SYSTEMS	187
<i>Stujoy Saha ; Corey Morrison ; Alex Sprintson</i>	
HEY NETWORK, CAN YOU UNDERSTAND ME?	193
<i>Azzam Alsudaïs ; Eric Keller</i>	
A COOPERATIVE RAMAN SPECTRUM RECONSTRUCTION PLATFORM FOR REAL-TIME IN-VIVO NANO-BIOSENSING	199
<i>Hongzhi Guo ; Zhi Sun ; Josep Miquel Jornet</i>	
ROUTING IN MULTI-MODAL UNDERWATER NETWORKS: A THROUGHPUT-OPTIMAL APPROACH	205
<i>Roe Diamant ; Paolo Casari ; Filippo Campagnaro ; Michele Zorzi</i>	
RESOURCE ALLOCATION FOR A MULTICHANNEL ULTRASONIC THROUGH-WALL COMMUNICATION SYSTEM	211
<i>Jonathan D. Ashdown ; Lingjia Liu ; Gary J. Saulnier ; Kyle R. Wilt</i>	
ON ENVIRONMENT-AWARE CHANNEL ESTIMATION FOR WIRELESS SENSOR NETWORKS USING MAGNETIC INDUCTION	217
<i>Xin Tan ; Zhi Sun</i>	
DOPPLER WARP CORRECTION FOR WIDEBAND BURST COMMUNICATIONS	223
<i>Avik Dayal ; A. A. Louis Beex</i>	
MOBILE CORE NETWORK REDIMENSIONING FOR EFFICIENT RESOURCE UTILIZATION	229
<i>Eyuphan Bulut ; Abhimanyu Gosain</i>	
VIRTUAL RESOURCE ALLOCATION FOR INFORMATION-CENTRIC HETEROGENEOUS NETWORKS WITH MOBILE EDGE COMPUTING	235
<i>Yuchen Zhou ; F. Richard Yu ; Jian Chen ; Yonghong Kuo</i>	
A HYBRID-TIMEOUT MECHANISM TO HANDLE RULE DEPENDENCIES IN SOFTWARE DEFINED NETWORKS	241
<i>Dingmin Wang ; Qing Li ; Lei Wang ; Richard O. Sinnott ; Yong Jiang</i>	
FLOWTABLE PIPELINE MISCONFIGURATIONS IN SOFTWARE DEFINED NETWORKS	247
<i>Saeed Al-Haj ; William J. Tolone</i>	
RECONSTRUCTION OF CONTROL PLANE OF DISTRIBUTED SDN AGAINST LARGE-SCALE DISRUPTION AND RESTORATION	253
<i>Takahiro Hirayama ; Takaya Miyazawa ; Hideaki Furukawa ; Hiroaki Harai</i>	
CREATING COMPLEX TESTBED NETWORKS TO EXPLORE SDN-BASED ALL-CAMPUS SCIENCE DMZS	259
<i>Sergio Rivera ; Jacob Chappell ; Mami Hayashida ; Andrew Groenewold ; Peter Oostema ; Caleb Voss ; Hussamuddin Nasir ; Charles Carpenter ; Yongwook Song ; Zongming Fei ; James Griffioen</i>	
VIRTUAL NETWORK MIGRATION ON THE GENI WIDE-AREA SDN-ENABLED INFRASTRUCTURE	265
<i>Yimeng Zhao ; Samantha Lo ; Ellen Zegura ; Mostafa Ammar ; Niky Riga</i>	
EXPLOITING OPPORTUNITIES IN V2V TRANSMISSIONS WITH RSU-ASSISTED BACKWARD DELIVERY	271
<i>Chao Song ; Jie Wu ; Wei-Shih Yang ; Ming Liu ; Imad Jawhar ; Nader Mohamed</i>	
MESSAGE DISSEMINATION SCHEDULING FOR MULTIPLE COOPERATIVE DRIVINGS	277
<i>Dongyao Jia ; Bingyi Liu ; Haibo Chen ; Jingyuan Fan ; Chunming Qiao ; Jianping Wang ; Libing Wu</i>	
ASSESSING THE PERFORMANCE OF HEARING AIDS USING SURVEYS AND AUDIO DATA COLLECTED IN SITU	283
<i>Syed Shabih Hasan ; Ryan Brummet ; Octav Chipara ; Yu-Hsiang Wu</i>	
NFC-ENABLED ATTACK ON CYBER PHYSICAL SYSTEMS: A PRACTICAL CASE STUDY	289
<i>Fan Dang ; Pengfei Zhou ; Zhenhua Li ; Yunhao Liu</i>	
AUTOMATED DENSITY-BASED CLUSTERING OF SPATIAL URBAN DATA FOR INTERACTIVE DATA EXPLORATION	295
<i>Erica Rosalina ; Flora D. Salim ; Timos Sellis</i>	
A REAL-SUBJECT EVALUATION TRIAL FOR LOCATION-AWARE SMART BUILDINGS	301
<i>Mahdi Inaya ; Michael Meli ; Dimitrios Sikeridis ; Michael Devetsikiotis</i>	

ENERGY EFFICIENT DATA COLLECTION IN OPPORTUNISTIC MOBILE CROWDSENSING ARCHITECTURES FOR SMART CITIES	307
<i>Andrea Capponi ; Claudio Fiandrino ; Dmitry Kliazovich ; Pascal Bouvry</i>	
LOCATION-CENTRIC FLOW FLUX FOR IMPROVED INDOOR MOBILITY MODELS	313
<i>Mimonah Al Qathrady ; Ahmed Helmy</i>	
TIMEOUT STRATEGY-BASED MOBILITY MANAGEMENT FOR SOFTWARE DEFINED SATELLITE NETWORKS	319
<i>Taixin Li ; Huachun Zhou ; Hongbin Luo ; Wei Quan ; Qi Xu ; Guanwen Li ; Guanglei Li</i>	
LEVERAGING FRAME AGGREGATION TO IMPROVE ACCESS POINT SELECTION	325
<i>Lixing Song ; Aaron Striegel</i>	
SPCN: PROVIDING SMART SUPPORT FOR PROACTIVE CACHING IN MOBILE SCENARIO	331
<i>Zhongbai Jiang ; Jianfeng Guan ; Yang Liu ; Xinshu Li ; Changqiao Xu</i>	
LOCATION-ASSISTED PRECODING FOR THREE-DIMENSION MASSIVE MIMO IN AIR-TO-GROUND TRANSMISSION	337
<i>Yurong Wang ; Xiaochen Xia ; Kui Xu ; Youyun Xu ; Aijun Liu</i>	
TCP IN 5G MMWAVE NETWORKS: LINK LEVEL RETRANSMISSIONS AND MP-TCP	343
<i>Michele Polese ; Rittwik Jana ; Michele Zorzi</i>	
CHANNEL ESTIMATION AND SIGNAL RECONSTRUCTION FOR MASSIVE MIMO WITH NON-ORTHOGONAL PILOTS	349
<i>Pengxiang Li</i>	
OUTAGE ANALYSIS OF MASSIVE MIMO SYSTEM	354
<i>Ganlin Zhao ; Qilian Liang</i>	
RISK ANALYSIS OF INFORMATION-LEAKAGE THROUGH INTEREST PACKETS IN NDN	360
<i>Daishi Kondo ; Thomas Silverston ; Hideki Tode ; Tohru Asami ; Olivier Perrin</i>	
CO-RTO: ACHIEVING EFFICIENT DATA RETRANSMISSION IN VNDN BY CORRELATIONS IMPLIED IN NAMES	366
<i>Yuwei Xu ; Siyan Yao ; Changhai Wang ; Jingdong Xu</i>	
OPTIMAL PLACEMENT ALGORITHM (OPA) FOR IOT OVER ICN	372
<i>Hatem Khedher ; Hossam Afifi ; Hassnaa Moustafa</i>	
EXTRACTING MOBILE USER BEHAVIORAL SIMILARITY VIA CELL-LEVEL LOCATION TRACE	378
<i>Jin Cao ; Sining Chen ; Sean Kennedy ; Nicolas Kim ; Lisa Zhang</i>	
ON ACTIVE QUEUE MANAGEMENT IN CELLULAR NETWORKS	384
<i>Joseph D. Beshay ; Afshin Taghavi Nasrabadi ; Ravi Prakash ; Andrea Francini</i>	
AN EMPIRICAL STUDY OF THE WECHAT MOBILE INSTANT MESSAGING SERVICE	390
<i>Qian Deng ; Zhenyu Li ; Qinghua Wu ; Chuan Xu ; Gaogang Xie</i>	
COMPOSING MIDDLEBOX AND TRAFFIC ENGINEERING POLICIES IN SDNS	396
<i>Yiyang Chang ; Gustavo Petri ; Sanjay Rao ; Tiark Rompf</i>	
MBBRICK: UNIFIED MIDDLEBOX DESIGN AND DEPLOYMENT IN SOFTWARE DEFINED NETWORK	402
<i>Xin He ; Qing Li ; Mingwei Xu ; Yong Jiang ; Lei Wang</i>	
ONE PASS PACKET STEERING (OPPS) FOR STATELESS POLICY CHAINS IN MULTI-SUBSCRIBER SDN	408
<i>Julian Chimaobi Chukwu ; Ashraf Matrawy ; Dimitrios Makrakis</i>	
SCALABLE PATH PROVISION IN SOFTWARE DEFINED NETWORKS	414
<i>Long Luo ; Hongfang Yu ; Shouxi Luo</i>	
STATISTICAL NETWORK BEHAVIOR BASED THREAT DETECTION	420
<i>Jin Cao ; Lawrence Drabeck ; Ran He</i>	
A IMAGE TEXTURE AND BP NEURAL NETWORK BASED MALICIOUS FILES DETECTION TECHNIQUE FOR CLOUD STORAGE SYSTEMS	426
<i>Guanchao Wen ; Yupeng Hu ; Chen Jiang ; Na Cao ; Zheng Qin</i>	
APPLICATION INTERFERENCE ANALYSIS: TOWARDS ENERGY-EFFICIENT WORKLOAD MANAGEMENT ON HETEROGENEOUS MICRO-SERVER ARCHITECTURES	432
<i>Markus Hahnel ; Frehiwot Melak Arega ; Waltenege Dargie ; Robert Khasanov ; Jeronimo Castrillon</i>	
EFFECT OF OPTIMIZING JAVA DEPLOYMENT ARTIFACTS ON AWS LAMBDA	438
<i>Hussachai Puripunpinyo ; M. H. Samadzadeh</i>	
BRIDGING THE DIGITAL DIVIDE BETWEEN RESEARCH AND HOME NETWORKS	444
<i>Caleb Smith-Salzberg ; Fraida Fund ; Shivendra Panwar</i>	
POPPERCI: AUTOMATED REPRODUCIBILITY VALIDATION	450
<i>Ivo Jimenez ; Andrea Arpaci-Dusseau ; Remzi Arpaci-Dusseau ; Jay Lofstead ; Carlos Maltzahn ; Kathryn Mohror ; Robert Ricci</i>	
A DELAY-AWARE CACHING ALGORITHM FOR WIRELESS D2D CACHING NETWORKS	456
<i>Yi Li ; M. Cenk Gursoy ; Senem Velipasalar</i>	
COLLABORATIVE HIERARCHICAL CACHING IN CLOUD RADIO ACCESS NETWORKS	462
<i>Xiuhua Li ; Peiran Wu ; Xiaofei Wang ; Keqiu Li ; Zhu Han ; Victor C. M. Leung</i>	
ENERGY-EFFICIENT COOPERATIVE CODED CACHING FOR HETEROGENEOUS SMALL CELL NETWORKS	468
<i>Qingmin Jia ; Renchao Xie ; Tao Huang ; Jiang Liu ; Yunjie Liu</i>	
FOG COMPUTING BASED CONTENT-AWARE TAXONOMY FOR CACHING OPTIMIZATION IN INFORMATION-CENTRIC NETWORKS	474
<i>Meng Wang ; Jun Wu ; Gaolei Li ; Jianhua Li ; Qiang Li</i>	
POPULARITY BASED PROBABILISTIC CACHING STRATEGY DESIGN FOR NAMED DATA NETWORKING	476
<i>Ran Zhang ; Jiang Liu ; Tao Huang ; Renchao Xie</i>	

THE PROBLEM OF PRIVACY IN COOPERATIVE INTELLIGENT TRANSPORTATION SYSTEMS (C-ITS)	482
<i>Djibrilla Amadou Kountché ; Jean-Marie Bonnin ; Houda Labiod</i>	
APP BEHAVIORAL ANALYSIS USING SYSTEM CALLS	487
<i>Prajit Kumar Das ; Anupam Joshi ; Tim Finin</i>	
RANDOM PROJECTION DATA PERTURBATION BASED PRIVACY PROTECTION IN WSNS	493
<i>Zhao Ming ; Wu Zheng-jiang ; Hui Liu</i>	
SECURITY ANALYSIS OF INTERNET-OF-THINGS: A CASE STUDY OF AUGUST SMART LOCK	499
<i>Mengmei Ye ; Nan Jiang ; Hao Yang ; Qiben Yan</i>	
CONTEXT-AWARE QOE-PRICE EQUILIBRIUM FOR WIRELESS MULTIMEDIA RELAY COMMUNICATIONS USING STACKELBERG GAME	506
<i>Shuan He ; Wei Wang</i>	
CONTEXT-RESILIENT CAPACITY-ACHIEVING RATELESS CODE FOR OFDM CHANNELS WITH FREQUENCY DIVERSITY	512
<i>Anfu Zhou ; Liang Liu ; Huadong Ma ; Gang Wang</i>	
PRACTICAL MU-MIMO EXPERIMENTS USING SDRS	517
<i>Tejashri Kuber ; Gokul Sridharan ; Dola Saha ; Ivan Seskar</i>	
OPTIMIZATION OF ULTRA-NARROWBAND WIRELESS COMMUNICATION: AN EXPERIMENTAL CASE STUDY	523
<i>Tomaž Šolc ; Timotej Gale ; Carolina Fortuna</i>	
COEXISTENCE BETWEEN IEEE802.15.4 AND IEEE802.11 THROUGH CROSS-TECHNOLOGY SIGNALING	529
<i>Jan Bauwens ; Bart Jooris ; Peter Ruckebusch ; Domenico Garlisi ; Joseph Szurley ; Marc Moonen ; Spilios Giannoulis ; Ingrid Moerman ; Eli De Poorter</i>	
IMPACT OF FOG AND CLOUD COMPUTING ON AN IOT SERVICE RUNNING OVER AN OPTICAL/WIRELESS NETWORK TESTBED	535
<i>Aloizio P. Silva ; Bernardo A. Abreu ; Erik B. Silva ; Marcos Carvalho ; Matheus Nunes ; Marcelo Marotta ; Ali Hammad ; Carlos F. M. Silva ; João F. N. Pinheiro ; Cristiano B. Both ; Johann M. Marquez-Barja ; Luiz A. DaSilva</i>	
CUMULATIVE PROSPECT THEORETIC STUDY OF A CLOUD STORAGE DEFENSE GAME AGAINST ADVANCED PERSISTENT THREATS	541
<i>Dongjin Xu ; Liang Xiao ; Narayan B. Mandayam ; H. Vincent Poor</i>	
EFFICIENT PRIVACY-PRESERVING DECENTRALIZED ABE SUPPORTING EXPRESSIVE ACCESS STRUCTURES	547
<i>Liangxuan Zhang ; Hui Li ; Yinghui Zhang ; Fawad Khan</i>	
ROBUST AUTHENTICATION AND DATA STORAGE WITH PERFECT SECRECY	553
<i>Sebastian Baur ; Holger Boche</i>	
CHARACTERIZING AND CLASSIFYING IOT TRAFFIC IN SMART CITIES AND CAMPUSES	559
<i>Arunan Sivanathan ; Daniel Sherratt ; Hassan Habibi Gharakheili ; Adam Radford ; Chamith Wijenayake ; Arun Vishwanath ; Vijay Sivaraman</i>	
COMMUNICATION-BASED COLLISION AVOIDANCE BETWEEN VULNERABLE ROAD USERS AND CARS	565
<i>Michele Segata ; Romas Vijeikis ; Renato Lo Cigno</i>	
BLESS: BLUETOOTH LOW ENERGY SERVICE SWITCHING USING SDN	571
<i>Mostafa Uddin ; Sarit Mukherjee ; Hyunseok Chang ; T. V. Lakshman</i>	
ON OPTIMIZING POWER ALLOCATION AND POWER SPLITTING FOR MISO SWIPT SYSTEMS WITH HETEROGENEOUS USERS	577
<i>HaiZhen Liu ; Yanrong Peng ; Desheng Wang ; Xiaoqiang Ma ; Yang Yang ; Yanyan Wu ; Cong Zhang</i>	
LOCATION-AWARE NETWORK SELECTION MECHANISM IN HETEROGENEOUS WIRELESS NETWORKS	583
<i>Ting Bi ; Gabriel-Miro Muntean</i>	
COORDINATION MECHANISMS FOR FLOATING CONTENT IN REALISTIC VEHICULAR SCENARIO	589
<i>Gaetano Manzo ; Ridha Soua ; Antonio Di Maio ; Thomas Engel ; Maria Rita Palattella ; Gianluca Rizzo</i>	
IP-BASED SEAMLESS HANDOVER SCHEME USING ANDSF IN AN UNTRUSTED ENVIRONMENT	595
<i>Fang-Yie Leu ; Po-Yu Tsai ; IIsun You ; Hsing-Chung Chen</i>	
GAME THEORETIC APPROACH FOR WIRELESS VIRTUALIZATION WITH COVERAGE AND QOS CONSTRAINTS	601
<i>Danda B. Rawat</i>	
LMMSE-BASED INTERFERENCE MITIGATION METHOD FOR COMPRESSIVE SIGNAL	607
<i>Longmei Zhou ; Zhuo Sun ; Na Wu ; Wenbo Wang</i>	
EXPLOITING WIDEBAND SPECTRUM OCCUPANCY HETEROGENEITY FOR WEIGHTED COMPRESSIVE SPECTRUM SENSING	613
<i>Bassem Khalfi ; Bechir Hamdaoui ; Mohsen Guizani ; Nizar Zorba</i>	
LOAD-AWARE USER-CENTRIC VIRTUAL CELL DESIGN IN ULTRA-DENSE NETWORK	619
<i>Qian Liu ; Gang Chuai ; Weidong Gao ; Kaisa Zhang</i>	
IN DEFENCE OF NATS: AN OPINION	625
<i>Geoff Huston</i>	
A FRAMEWORK FOR FLEXIBLE INTERDOMAIN ROUTING IN TRANSIT ISPS	629
<i>Trung Truong ; Ian Welch ; Bryan Ng</i>	
COMPARATIVE ANALYSIS OF INTERNET TOPOLOGY DATA SETS	635
<i>M. Abdullah Canbaz ; Jay Thom ; Mehmet Hadi Gunes</i>	

SMART PARKING PRICING: A MACHINE LEARNING APPROACH	641
<i>Eran Simhon ; Christopher Liao ; David Starobinski</i>	
PRICING AND BIDDING STRATEGIES FOR CLOUD COMPUTING SPOT INSTANCES	647
<i>Jiayi Song ; Roch Guerin</i>	
MULTICOMMODITY GAMES IN PUBLIC-CLOUD MARKETS CONSIDERING SUBADDITIVE RESOURCE DEMANDS	654
<i>G. Kesidis ; N. Nasiriani ; Y. Shan ; B. Uргаonkar ; I. Lambadaris</i>	
VOLUME-BASED PRICING WITH GUARANTEED DATA RATE	659
<i>Behdad Heidarpour ; Zbigniew Dziong ; Wing Cheong Lau</i>	
DYNAMIC SEGMENT SIZE SELECTION IN HTTP BASED ADAPTIVE VIDEO STREAMING	665
<i>Luca Bedogni ; Marco Di Felice ; Luciano Bononi</i>	
HTTP ADAPTIVE STREAMING WITH INDOORS-OUTDOORS DETECTION IN MOBILE NETWORKS	671
<i>Sami Mekki ; Theodoros Karagioules ; Stefan Valentin</i>	
WHEN HTTP/2 RESCUES DASH: VIDEO FRAME MULTIPLEXING	677
<i>Mariem Ben Yahia ; Yannick Le Louedec ; Loutfi Nuaymi ; Gwendal Simon</i>	
TRAFFIC MODEL FOR HTTP-BASED ADAPTIVE STREAMING	683
<i>Silvio Waldmann ; Konstantin Miller ; Adam Wolisz</i>	
HOW FLEXIBLE IS DYNAMIC SDN CONTROL PLANE?	689
<i>Mu He ; Arsany Basta ; Andreas Blenk ; Wolfgang Kellerer</i>	
VIRTUALIZED CONTROL PLANE PLACEMENT PROBLEM: PROVISIONING THE CONTROL PATHS AND ARCHITECTURES	695
<i>Ishan Vaishnavi ; Wint Yi Poe</i>	
USING SIMULATED ANNEALING FOR IMPROVED VIDEO BANDWIDTH PREDICTION	701
<i>Athina Kalampoglia ; Polychronis Koutsakis</i>	
WILTV: A LOW-COST WIRELESS FRAMEWORK FOR LIVE TV SERVICES	706
<i>Rajeev Kumar ; Robert S Margolies ; Rittwik Jana ; Yong Liu ; Shivendra Panwar</i>	
PASSIVE ASSESSMENT OF QOS IN A WLAN FOR SUDDEN ONSET DISASTERS (SODS)	712
<i>Eyal Berliner ; Avi Herbon ; Yuval Hadas ; Boaz Benmoshe ; Amit Dvir</i>	
AERIAL UAV-IOT SENSING FOR UBIQUITOUS IMMERSIVE COMMUNICATION AND VIRTUAL HUMAN TELEPORTATION	718
<i>Jacob Chakareski</i>	
CALANTHA: CONTENT DISTRIBUTION ACROSS GEO-DISTRIBUTED DATACENTERS	724
<i>Yangyang Li ; Linchao Zhang ; Yue Jia ; Yong Liao ; Haiyong Xie</i>	
A MULTI-STEP MODEL FOR MIGRATION AND RESOURCE REALLOCATION IN VIRTUALIZED NETWORK INFRASTRUCTURES	730
<i>Nguyen Tuan Khai ; Andreas Baumgartner ; Thomas Bauschert</i>	
SLICE-BASED NETWORK TRANSIT SERVICE: INTER-DOMAIN L2 NETWORKING ON EXOGENI	736
<i>Yuanjun Yao ; Qiang Cao ; Jeff Chase ; Paul Ruth ; Ilya Baldin ; Yufeng Xin ; Anirban Mandal</i>	
IRMS: AN INTELLIGENT RULE MANAGEMENT SCHEME FOR SOFTWARE DEFINED NETWORKING	742
<i>Lei Wang ; Qing Li ; Yong Jiang ; Yu Wang ; Richard Sinnott ; Jianping Wu</i>	
TRAFFIC OFFLOADING FOR 5G: L-LTE OR WI-FI	748
<i>Ibrahim Elgendi ; Kumudu S. Munasinghe ; Abbas Jamalipour</i>	
REDUNDANCY ELIMINATION MIGHT BE OVERRATED: A QUANTITATIVE STUDY ON WIRELESS TRAFFIC	754
<i>Xueheng Hu ; Aaron Striegel</i>	
STATISTICAL QOS-DRIVEN POWER ADAPTATION FOR DISTRIBUTED CACHING BASED MOBILE OFFLOADING OVER 5G WIRELESS NETWORKS	760
<i>Xi Zhang ; Jingqing Wang</i>	
TELCO ASKS TRANSP: CAN YOU GIVE ME A RIDE IN THE ERA OF BIG DATA?	766
<i>Rashmi Munjal ; William Liu ; Xue Jun Li ; Jairo Gutierrez ; Peter Han Joo Chong</i>	
A NEW LIGHTWEIGHT KEY EXCHANGE PROTOCOL WITH PROVABLE SECURITY FOR SECURING CLOUD-ASSISTEC. MOBILE COMMUNICATIONS	772
<i>Jun Liu</i>	
ADAPTIVE SCHEDULING MECHANISM BASED ON SELF-SIMILARITY FOR DUTY CYCLE OPPORTUNISTIC MOBILE NETWORKS	778
<i>Feng Zeng ; Yueyue Dou ; Zhigang Chen ; Hui Liu</i>	
INITIAL TRUST ESTABLISHMENT FOR PERSONAL SPACE IOT SYSTEMS	784
<i>Tham Nguyen ; Doan Hoang ; Diep Nguyen ; Aruna Seneviratne</i>	
RANKING MOST INFORMATIVE APPS FOR EFFECTIVE IDENTIFICATION OF LEGITIMATE SMARTPHONE OWNERS	790
<i>Abdulaziz Alzubaidi ; Swarup Roy ; Jugal Kalita</i>	
EDGE-ASSISTED CONTENT AND COMPUTATION-DRIVEN DYNAMIC NETWORK SELECTION FOR REAL-TIME SERVICES IN THE URBAN IOT	796
<i>Sabur Baidya ; Marco Levorato</i>	
PREVENTING COLLUSION BETWEEN SDN DEFENDERS ANC ATTACKERS USING A GAME THEORETICAL APPROACH	802
<i>Mehrdad Nojournian ; Arash Golchubian ; Nico Saputro ; Kemal Akkaya</i>	
PCD: A PRIVACY-PRESERVING PREDICTIVE CLINICAL DECISION SCHEME WITH E-HEALTH BIG DATA BASED ON RNN	808
<i>Jiaping Lin ; Jianwei Niu ; Hui Li</i>	

A DATA-DRIVEN PREPROCESSING SCHEME ON ANOMALY DETECTION IN BIG DATA APPLICATIONS	814
<i>Shengjie Xu ; Yi Qian ; Rose Qingyang Hu</i>	
A PREFERENCE-AWARE TRAJECTORY PRIVACY-PRESERVING SCHEME IN LOCATION-BASED SOCIAL NETWORKS	820
<i>Liang Zhu ; Changqiao Xu ; Jianfeng Guan ; Yang Liu ; Hongke Zhang</i>	
INCENTIVE DESIGN FOR AD-SPONSORED CONTENT: RESULTS FROM A RANDOMIZED TRIAL	826
<i>Soumya Sen ; Gordon Burtch ; Alok Gupta ; Rudiger Rill</i>	
CONTRACTS AS ENTRY BARRIERS FOR UNLICENSED SPECTRUM	832
<i>Yining Zhu ; Randall A. Berry</i>	
EN ROUTE: TOWARDS VEHICULAR MOBILITY SCENARIO GENERATION AT SCALE	839
<i>Roozbeh Ketabi ; Babak Alipour ; Ahmed Helmy</i>	
FINE-GRAINED ULTRASOUND RANGE FINDING FOR MOBILE DEVICES: SENSING WAY BEYOND THE 24 KHZ LIMIT OF BUILT-IN MICROPHONES	845
<i>Yuchi Chen ; Wei Gong ; Jiangchuan Liu ; Yong Cui</i>	
ONLINE ANOMALOUS VEHICLE DETECTION AT THE EDGE USING MULTIDIMENSIONAL SSA	851
<i>Ning Chen ; Zekun Yang ; Yu Chen ; Aleksey Polunchenko</i>	
MODELING URBAN TRIP DEMANDS IN CLOUD-COMMUTING SYSTEM: A HOLISTIC APPROACH	857
<i>Guanxiong Liu ; Menghai Pan ; Yanhua Li ; Zhi-Li Zhang ; Jun Luo</i>	
OSTPC: OBLIQUE SPACE-TIME-POLARIZATION PRECODING FOR DUAL-POLARIZED MIMO SYSTEMS OVER RICEAN-K FADING CHANNEL	863
<i>Chengui Lou ; Bin Cao ; Shaohua Wu ; Qinyu Zhang</i>	
PEAK TO AVERAGE POWER RATIO SUPPRESSION METHOD JOINT ORTHOGONAL AND NON-ORTHOGONAL SCHEME	869
<i>Min Jia ; Zhiying Wu ; Qing Guo ; Xuemai Gu ; Naitong Zhang</i>	
A PCA-BASED MODELING METHOD FOR WIRELESS MIMO CHANNEL	874
<i>Xiaochuan Ma ; Jianhua Zhang ; Yuxiang Zhang ; Zhanyu Ma ; Yu Zhang</i>	
SPEED DATING: A PERFORMANCE-ENHANCED RENDEZVOUS CIRCUIT FOR TOR	880
<i>Moritz von Wedel-Farlow ; Florian Tschorsch ; Björn Scheuermann</i>	
CHARACTERIZING THE EFFECTS OF TCP'S INITIAL WINDOW	886
<i>Runa Barik ; Dinil Mon Divakaran ; Michael Welzl</i>	
A MULTIPLE APS COOPERATION ACCESS SCHEME FOR ENERGY EFFICIENCY IN UDN WITH NOMA	892
<i>Yiming Liu ; Xi Li ; Hong Ji ; Heli Zhang</i>	
TOPOLOGY INFERENCE OF MULTILAYER NETWORKS	898
<i>Panagiotis A. Traganitis ; Yanning Shen ; Georgios B. Giannakis</i>	
MULTIPLE GRAPH ABSTRACTIONS FOR PARALLEL ROUTING OVER VIRTUAL TOPOLOGIES	904
<i>Ahmet Soran ; Murat Yuksel ; Mehmet Hadi Gunes</i>	
RE-MAPPING THE INTERNET: BRING THE IXPS INTO PLAY: WWW.INSPIRE.EDU.GR/IXP-MAP	910
<i>George Nomikos ; Pavlos Sermpetzis ; Xenofontas Dimitropoulos</i>	
MODEL-BASED ANALYTICS FOR PROFILING WORKLOADS IN VIRTUAL NETWORK FUNCTIONS	916
<i>Roberto Bruschi ; Franco Davoli ; Paolo Lago ; Jane Frances Pajo</i>	
MODULAR NETWORK FUNCTION VIRTUALIZATION	922
<i>Dennis Volpano</i>	
ON THE "FAMILIAR STRANGER" PHENOMENON IN A LARGE-SCALE VOD SYSTEM	928
<i>Chen Zhang ; Yuedong Xu ; Yipeng Zhou ; Xiaoming Fu</i>	
CONTROLLED GROWTH OF SIMPLICIAL COMPLEX NETWORKS	934
<i>Alexey Nikolaev ; Saad Mneimneh ; Amotz Bar-Noy ; Ram Ramanathan</i>	
PREDICTED MAX DEGREE SAMPLING: SAMPLING IN DIRECTED NETWORKS TO MAXIMIZE NODE COVERAGE THROUGH CRAWLING	940
<i>Ricky Laishram ; Katchaguy Areekijseree ; Sucheta Soundarajan</i>	
DEMO ABSTRACT: RPIAAS: A RASPBERRY PI TESTBED FOR VALIDATION OF CLOUD RESOURCE MANAGEMENT STRATEGIES	946
<i>Pieter-Jan Maenhaut ; Bruno Volckaert ; Veerle Ongenaes ; Filip De Turck</i>	
DEMO ABSTRACT: CROSS-TECHNOLOGY TDMA SYNCHRONIZATION USING ENERGY PATTERN BEACONS	948
<i>Jan Bauwens ; Bart Jooris ; Peter Ruckebusch ; Domenico Garlisi ; Joesph Szurley ; Marc Moonen ; Spilios Giannoulis ; Ingrid Moerman ; Eli De Poorter</i>	
DEMO ABSTRACT: ASSESSING THE IMPACT OF FOG AND CLOUD COMPUTING ON AN IOT SERVICE RUNNING OVER AN OPTICAL/WIRELESS NETWORK-AN EXPERIMENTAL APPROACH	950
<i>Aloizio P. Silva ; Bernardo A. Abreu ; Erik de Britto e Silva ; Marcos Carvalho ; Matheus Nunes ; Marcelo Marotta ; Ali Rammad ; Carlos F. M. Silva ; João F. N. Pinheiro ; Cristiano B. Both ; Johann M. Marquez-Barja ; Luiz A. DaSilva</i>	
DEMO ABSTRACT: POPPERCI: AUTOMATED REPRODUCIBILITY VALIDATION	952
<i>Ivo Jimenez ; Sina Hamedian ; Jay Lofstead ; Carlos Maltzahn ; Kathryn Mohror ; Remzi Arpaci-Dusseau ; Andrea Arpaci-Dusseau ; Robert Ricci</i>	
DEMO ABSTRACT: ENABLING HIGH-THROUGHPUT BIG DATA TRANSFERS ACROSS CAMPUS NETWORKS	954
<i>Sergio Rivera ; Jacob Chappell ; Mami Hayashida ; Andrew Groenewold ; Peter Oostema ; Caleb Voss ; Hussamuddin Nasir ; Charles Carpenter ; Yongwook Song ; Zongming Fei ; James Griffioen</i>	

RAPID DEVELOPMENT OF IOT APPLICATIONS WITH TINYLINK	956
<i>Gaoyang Guan ; Kaibo Fu ; Zhihao Cheng ; Yi Gao ; Wei Dong</i>	
DEMO ABSTRACT: CDMA-BASED IOT SERVICES WITH SHARED BAND OPERATION OF LTE IN 5G	958
<i>Siddarth Mathur ; Shweta S. Sagari ; Syed Obaid Amin ; Ravishankar Ravindran ; Dola Saha ; Ivan Seskar ; Dipankar Raychaudhuri ; Guoqiang Wang</i>	
HYDRA: A HYPERVISOR FOR SOFTWARE DEFINED RADIOS TO ENABLE RADIO VIRTUALIZATION IN MOBILE NETWORKS	960
<i>Maicon Kist ; Juergen Rochol ; Luiz A. DaSilva ; Cristiano Bonato Both</i>	
DEMO ABSTRACT: PROTOTYPING M²I COMMUNICATION SYSTEM FOR UNDERGROUND AND UNDERWATER NETWORKS	962
<i>Hongzhi Guo ; Zhi Sun</i>	
DEMO ABSTRACT: AN INTEGRATED TOOL OF APPLYING STOCHASTIC NETWORK CALCULUS FOR NETWORK PERFORMANCE ANALYSIS	964
<i>Michael A. Beck ; Sebastian Henningsen ; Qian Xu ; Jianping Wang ; Kui Wu ; Xian Liu</i>	
DEMO ABSTRACT: AN OPEN SOURCE TOOLCHAIN FOR PLANNING AND VISUALIZING HIGHLY DIRECTIONAL MM-WAVE CELLULAR NETWORKS IN THE 5G ERA	966
<i>Ljiljana Simic ; Janne Riihijärvi ; Amulya Venkatesh ; Petri Mahoonen</i>	
DEMO ABSTRACT: AN INTENT SOLVER FOR ENABLING INTENT-BASED SDN	968
<i>Haodi Zhang ; Yu Wang ; Xiangtong Qi ; Weiping Xu ; Tao Peng ; Shucheng Liu</i>	
DEMO ABSTRACT: TELCO LOCALIZATION TECHNIQUES	970
<i>Peng Zhao ; Chenxi Zhang ; Yukun Huang ; Weixiong Rao ; Fangzhou Zhu ; Ning Liu ; Jie Geng ; Mingxuan Yuan ; Jia Zeng</i>	
DEMO ABSTRACT: FULL-DUPLEX WITH A COMPACT FREQUENCY DOMAIN EQUALIZATION-BASED RF CANCELLER	972
<i>Tingjun Chen ; Jin Zhou ; Mahmood Baraani Dastjerdi ; Jelena Diakonikolas ; Harish Krishnaswamy ; Gil Zussman</i>	
DEMO ABSTRACT: EVALUATING VIDEO DELIVERY OVER WIRELESS MULTICAST	974
<i>Varun Gupta ; Andy Lianghua Xu ; Bohan Wu ; Craig Gutterman ; Yigal Bejerano ; Gil Zussman</i>	
DEMO ABSTRACT: STEMFLOW: INTER-DATACENTER OVERLAY AS A SERVICE	976
<i>Shuhao Liu ; Baochun Li</i>	
DEMO ABSTRACT: A RESEARCH PLATFORM FOR REAL-WORLD EVALUATION OF ROUTING SCHEMES IN DELAY TOLERANT SOCIAL NETWORKS	978
<i>Corey E. Baker ; Allen Starke ; Shitong Xing ; Janise McNair</i>	
DEMO ABSTRACT: CLOCK SYNTONIZATION USING CFO INFORMATION IN WIRELESS SENSOR NETWORKS	980
<i>Baofeng Zhou ; Fujuan Guo ; Mehmet C. Vuran</i>	
DEMO ABSTRACT: AN ULTRASONIC INTRA BODY AREA NETWORK FOR EHEALTH APPLICATIONS	982
<i>Laura Galluccio ; Sebastiano Milardo ; Elisabetta Sciacca</i>	
DEMO ABSTRACT: SENDER-TRIGGERED SELECTIVE WAKE-UP RECEIVER FOR LOW-POWER SENSOR NETWORKS	984
<i>Johannes Blobel ; Falko Dressler</i>	
DEMO ABSTRACT: MEXR: MOBILE EDGE RESOURCE MANAGEMENT FOR MIXED REALITY APPLICATIONS	986
<i>Qiang Liu ; Siqi Huang ; Yang Deng ; Tao Han</i>	
CONTEXT-AWARE ADAPTIVE VIDEO STREAMING FOR MOBILE USERS	988
<i>Sami Mekki ; Theodoros Karagioules ; Stefan Valentin</i>	
AUTOMATED OFFLOADING OF ANDROID APPLICATIONS FOR COMPUTATION/ENERGY OPTIMIZATIONS	990
<i>Alessandro Zanni ; Se-young Yu ; Stefano Secci ; Rami Langar ; Paolo Bellavista ; Daniel F. Macedo</i>	
DEMO ABSTRACT: AN EXPERIMENTATION FACILITY ENABLING FLEXIBLE NETWORK CONTROL FOR THE INTERNET OF THINGS	992
<i>George Violettas ; Tryfon Theodorou ; Sophia Petridou ; Antonios Tsioukas ; Lefteris Mamatas</i>	
DEMO ABSTRACT: ALZIMIO: A MOBILE APP WITH GEOFENCING, ACTIVITY-RECOGNITION AND SAFETY FEATURES FOR DEMENTIA PATIENTS	994
<i>Jad Helmy ; Ahmed Helmy</i>	
POSTER ABSTRACT TAMOR A THERMAL-AWARE MULTIHOP ROUTING PROTOCOL FOR ULTRASONIC INTRA BODY AREA NETWORKS	996
<i>Laura Galluccio ; Sebastiano Milardo ; Elisabetta Sciacca</i>	
LIGHTWEIGHT FLOW MANAGEMENT FOR SOFTWARE-DEFINED WIRELESS SENSOR NETWORKS WITH LINK FAULT IN DATA PLANE	998
<i>Mithun Mukherjee ; Lei Shu ; Teng Zhao ; Di Wang ; Haihui Wang</i>	
POSTER ABSTRACT: MICROBRAIN: COMPRESSING DEEP NEURAL NETWORKS FOR ENERGY-EFFICIENT VISUAL INFERENCE SERVICE	1000
<i>Shiming Ge ; Zhao Luo ; Qiting Ye ; Xiao-Yu Zhang</i>	
POSTER ABSTRACT: FEASIBILITY OF FLOATING CONTENT IN VANETS	1002
<i>Gaetano Manzo ; Gianluca Antonio Rizzo</i>	
A TRUST EVALUATION FRAMEWORK USING IN A VEHICULAR SOCIAL ENVIRONMENT	1004
<i>Xiao Chen ; Liangmin Wang</i>	
POSTER ABSTRACT: A SYNCHRONIZED WIRELESS SENSOR NETWORK FOR MONITORING THE STRUCTURAL HEALTH	1006
<i>Deepa Phanish ; Randal Abler ; Edward J. Coyle</i>	

A FOG COMPUTING-BASED FRAMEWORK TO REDUCE TRAFFIC OVERHEAD IN LARGE-SCALE INDUSTRIAL APPLICATIONS.....	1008
<i>Mithun Mukherjee ; Lei Shu ; Di Wang ; Kailiang Li ; Yu Chen</i>	
POSTER ABSTRACT: TRAFFIC FLOW PREDICTION WITH BIG DATA: A DEEP LEARNING BASED TIME SERIES MODEL	1010
<i>Yuanfang Chen ; Lei Shu ; Lei Wang</i>	
POSTER ABSTRACT: A SLIDING COUNTING BLOOM FILTER	1012
<i>Ran Ben Basat ; Gil Einziger ; Roy Friedman ; Yaron Kassner</i>	
LOCAL VOTING: OPTIMAL DISTRIBUTED NODE SCHEDULING ALGORITHM FOR MULTIHOP WIRELESS NETWORKS.....	1014
<i>Dimitrios J. Vergados ; Natalia Amelina ; Yuming Jiang ; Katina Kravevska ; Oleg Granichin</i>	
POSTER ABSTRACT: STREAMLINED ANOMALY DETECTION IN WEB REQUESTS USING RECURRENT NEURAL NETWORKS	1016
<i>Arne Bocham ; Hang Zhang ; Dieter Hogrefe</i>	
POSTER ABSTRACT: RESOURCE ALLOCATION WITH SERVICE AVAILABILITY & QOS CONSTRAINTS IN MOBILE FOG NETWORKS.....	1018
<i>Nader Daneshfar ; Nikolaos Pappas ; Vangelis Angelakis</i>	
POSTER ABSTRACT: EN ROUTE TOWARDS TRACE-BASED SIMULATION OF VEHICULAR MOBILITY	1020
<i>Roozbeh Ketabi ; Babak Alipour ; Ahmed Helmy</i>	
POSTER ABSTRACT: SDN-BASED HANDOVER MANAGEMENT IN ENTERPRISE NETWORKED FEMTOCELLS WITH X2-FORWARDING SCHEME	1022
<i>Tewelde Degefa Assefa ; Rashedul Hoque ; Elias Tragos ; Xenofontas Dimitropoulos</i>	
POSTER ABSTRACT: LOCATION-CENTRIC RELATIONSHIP GRAPH FOR INDOOR MOBILITY USING WLANS.....	1024
<i>Mimonah Al Qathrady ; Ahmed Helmy</i>	
Author Index	