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> Home > Conferences and Workshops > ICC



- 🖹 🕹 🧡 🖧 2018 IEEE International Conference on Communications, ICC 2018, Kansas City, MO, USA, May 20-24, 2018. IEEE 2018, ISBN 978-1-5386-3180-5
- 🖹 🕹 🗬 🦿 Zouheir Trabelsi, Safaa Zeidan: **Enhanced Session Table Architecture for Stateful Firewalls.** 1-7
- 🖹 🕹 🗬 🦿 Abdullah Alshalan, Dijiang Huang: **Prompt Lightweight VPN Session Resumption for Rapid Client Mobility and MTD Enablement for VPN Servers.** 1-6
- 🖹 🕹 🗬 🦿 Wei-Min Lee, Amir Rezapour, Wen-Guey Tzeng: Monsieur Poirot: Detecting Botnets Using Re-Identification Algorithm and **Nontrivial Feature Selection Technique.** 1-6
- 🖹 🕹 🦃 🤻 Chandan Chowdhury, Dalton A. Hahn, Matthew R. French, Eugene Y. Vasserman, Pratyusa K. Manadhata, Alexandru G. Bardas: eyeDNS: Monitoring a University Campus Network. 1-7
- 🖹 🕹 🗬 🦿 Yara Awad, Mohamed Nassar, Haïdar Safa: **Modeling Malware as a Language.** 1-6
- 🖹 🕹 🗬 🦿 Pan Liu, Huakang Li, Guozi Sun: P2P Lending Platform Risk Observing Method Based on Short-Time Multi-**Source Regression Algorithm.** 1-6
- 🖹 🕹 🦃 🐇 Shiyang Leng, Aylin Yener: Relay-Centric Two-Hop Networks with Asymmetric Wireless Energy Transfer: A Multi-Leader-Follower Stackelberg Game. 1-6
- 🖹 🕹 🗬 🦿 Ahmed Arafa, Jing Yang, Sennur Ulukus: Age-Minimal Online Policies for Energy Harvesting Sensors with Random **Battery Recharges.** 1-6
- 🖹 🕹 🗬 📽 Deekshith P. K., Vinod Sharma: Finite Blocklength Rates over a Fading Channel with CSIT and CSIR. 1-7
- 🗎 🕹 🗬 🧠 Ibrahim Fawaz, Mireille Sarkiss, Philippe Ciblat: **Optimal Resource Scheduling for Energy Harvesting Communications** under Strict Delay Constraint. 1-6
- 🖹 🕹 🗬 📽 Daniela Tuninetti, Besma Smida, Natasha Devroye, Hulya Seferoglu: Scheduling on the Gaussian Broadcast Channel with Hard Deadlines. 1-7
- 🖹 🕹 🗬 🖒 Umut Demirhan, Tolga M. Duman: **Energy-Harvesting Irregular Repetition Slotted ALOHA with Unit-Sized** Battery. 1-6 Hanan Al-Tous, Imad Barhumi:



- ♣ ♥ ♥ Nikhilesh Sharma, Nicholas Mastronarde, Jacob Chakareski: Structural Properties of Optimal Transmission Policies for Delay-Sensitive Energy Harvesting Wireless Sensors. 1-7
- Masashi Wakaiki, Katsuya Suto, Kenta Koiwa, Kang-Zhi Liu, Tadanao Zanma:

 Model Predictive Cell Zooming for Energy-Harvesting Small Cell Networks.

 1-6
- **Sun Mao, Supeng Leng, Jie Hu, Kun Yang: Energy-Efficient Resource Allocation for Cooperative Wireless Powered Cellular Networks.** 1-6
- **□** ♣ ♥ ♥ Fei Wang, Xi Zhang: **Dynamic Computation Offloading and Resource Allocation over Mobile Edge Computing Networks with Energy Harvesting Capability.** 1-6
- Shiqi Wang, Lin Ma, Yubin Xu:

 A Novel Beamforming Design for Transmission Power Minimization in SWIPT System. 1-6
- Yalong Wu, Wei Yu, David W. Griffith, Nada Golmie:

 A Dynamic Rate Adaptation Scheme for M2M Communications. 1-6
- ☐ ☑ ♥ ♥ Jian Wang, Richard Rouil:

 Assessing Coverage and Throughput for D2D Communication. 1-6
- Malek Rekik, Mohammad S. Obaidat, Amel Makhlouf, Faouzi Zarai:

 An Optimized and Secure Authentication Scheme for Vehicular Ad Hoc Networks. 1-6
- Shikhar Verma, Yuichi Kawamoto, Hiroki Nishiyama, Nei Kato, Chih-Wei Huang:
 Novel Group Paging Scheme for Improving Energy Efficiency of IoT Devices
 over LTE-A Pro Networks with QoS Considerations. 1-6
- Song Yu, Li Xu, Yan Zhang, Jinsong Wu, Zhifang Liao, Yanbing Li:

 NBSL: A Supervised Classification Model of Pull Request in Github. 1-6
- □ ♣ ♣ Tuan Tran, Dong Nguyen, Anh Nguyen, Erik Golen:
 Sentiment Analysis of Marijuana Content via Facebook Emoji-Based Reactions. 1-6
- QoE-Based Big Data Analysis with Deep Learning in Pervasive Edge Environment. 1-6
- Shangyue Zhu, Junhong Xu, Hanqing Guo, Qiwei Liu, Shaoen Wu, Honggang Wang:
 Indoor Human Activity Recognition Based on Ambient Radar with Signal Processing and Machine Learning. 1-6

$\bar{\Gamma}$	Ŗ	ಹ	Wenwei Yue, Changle Li, Guoqiang Mao: Urban Traffic Bottleneck Identification Based on Congestion Propagation. 1-6
$\bar{\mathbb{T}}$	Ŗ	ф	Jie Wu, Shuaibing Lu, Huanyang Zheng: On Maximum Elastic Scheduling of Virtual Machines for Cloud-Based Data Center Networks. 1-6
$\overline{\Gamma}$	Ŕ	ಹ	Yangming Zhao, Xin Liu, Chunming Qiao: Job Scheduling for Acceleration Systems in Cloud Computing. 1-6
$\bar{\Gamma}$	Ŗ	ಹೆ	Zhenhua Li, Yuanyuan Yang: Virtual Network Embedding in Hybrid Data Center Networks with Over- Subscription. 1-6
T	Q	ಹೆ	Shan Qu, Yu Liu, Jinbei Zhang, Haiwen Cao, Xinbing Wang: Multi-Rack Regenerating Codes for Hierarchical Distributed Storage Systems. 1-6
$\overline{\Gamma}$	¢	ಹ	Tarik Reza Toha, Mohammad M. R. Lunar, A. S. M Rizvi, Novia Nurain, A. B. M. Alim Al Islam:
			GMC: Greening MapReduce Clusters Considering Both Computational Energy and Cooling Energy. 1-6
$\bar{\Gamma}$	R	જુ	Xiaochen Fan, Xiangjian He, Deepak Puthal, Shiping Chen, Chaocan Xiang, Priyadarsi Nanda, Xunpeng Rao: CTOM: Collaborative Task Offloading Mechanism for Mobile Cloudlet Networks. 1-6
T	R	ಹೆ	Wei Song, Yiming Zhao: Efficient Interference-Aware D2D Pairing for Collaborative Data Dissemination. 1-6
$\bar{\mathbb{T}}$	Ŕ	ф	Zhangyuan Xie, Fen Hou, Ping Wang: Social-Aware Multicast Incentive Mechanism for Mobile Data Offloading. 1-6
$\bar{\Gamma}$	Ŗ	ಹೆ	Zesheng Chen: Epidemic Thresholds in Networks: Impact of Heterogeneous Infection Rates and Recovery Rates. 1-6
$\bar{\Gamma}$	Ŗ	ಹೆ	Amir Mohammadinejad, Reza Farahbakhsh, Noël Crespi: OPIU: Opinion Propagation in Online Social Networks Using Influential Users Impact. 1-7
$\bar{\Gamma}$	Ŗ	ф	Jin-Hee Cho, Sibel Adali: Is Uncertainty Always Bad?: Effect of Topic Competence on Uncertain Opinions. 1-7
\Box	R	ಹೆ	Chengliang Gao, Yuanxing Zhang, Kaigui Bian, Shaoling Dong, Lingyang Song: On Lifecycle of Interactive Web Apps in WeChat. 1-6
$\bar{\Gamma}$	Ŗ	å	Hayder Almosa, Susanna Mosleh, Erik S. Perrins, Lingjia Liu: Downlink Channel Estimation with Limited Feedback for FDD Multi-User Massive MIMO with Spatial Channel Correlation. 1-6
$\bar{\Gamma}$	R	ಹೆ	Xiaoshen Song, Saeid Haghighatshoar, Giuseppe Caire: An Efficient CS-Based and Statistically Robust Beam Alignment Scheme for mmWave Systems. 1-6
$\bar{\Omega}$	R	ಹಿ	Feibai Zhu, An Liu, Vincent Kin Nang Lau: Signal Recovery for Massive Carrier Aggregation via Non-Linear

Compressive Sensing. 1-7

- ☐ ☑ ❤ ❤ Jue Wang, Zhaoyang Zhang, Xianbin Wang, Hong Wang, Chunxu Jiao:

 A Low-Complexity Reconstruction Algorithm for Compressed Sensing Using Reed-Muller Sequences. 1-6
- Ali A. Esswie, Octavia A. Dobre, Salama Ikki:

 Directional Spatial Channel Estimation for Massive FD-MIMO in Next

 Generation 5G Networks. 1-6
- Rubayet Shafin, Lingjia Liu, Jonathan D. Ashdown, John D. Matyjas, Jianzhong Zhang:
 On the Channel Estimation of Multi-Cell Massive FD-MIMO Systems. 1-6
- Tadilo Endeshaw Bogale, Long Bao Le, Xianbin Wang:

 Joint CSI Estimation, Beamforming and Scheduling Design for Wideband

 Massive MIMO System. 1-6
- Hanyu Zhu, Fuqian Yang, Zhaowei Zhu, Xiliang Luo:
 Optimal Interconnection for Massive MIMO Self-Calibration. 1-6
- La Chunxu Jiao, Zhaoyang Zhang, Caijun Zhong, Zhiyong Feng:

 An Indoor mmWave Joint Radar and Communication System with Active

 Channel Perception. 1-6
- Cheng Zhang, Yindi Jing, Yongming Huang, Luxi Yang:
 Low Complexity Approximate Zero-Forcing Precoding for Massive MIMO
 Downlink. 1-6
- An Liu, Vincent K. N. Lau, Yinglei Teng:

 Power Minimization for Massive MIMO Systems with Two-Timescale Hybrid

 Precoding. 1-6
- Ruikai Mai, Tho Le-Ngoc:

 Hybrid Precoder Design with MMSE-VP for Multi-Cell Massive MIMO

 Systems. 1-6
- Miguel R. Castellanos, Vasanthan Raghavan, Jung H. Ryu, Ozge H. Koymen, Junyi Li, David J. Love, Borja Peleato:

 Hybrid Multi-User Precoding with Amplitude and Phase Control. 1-6
- Wei Wang, Wei Zhang, Yuanjie Li, Jianmin Lu: Channel Estimation and Hybrid Precoding for Multi-Panel Millimeter Wave MIMO. 1-6
- Dongliang Su, Yi Jiang, Xin Wang:

 Omnidirectional Transmit Beamforming for Massive MIMO with Uniform

 Rectangular Array. 1-6
- Yinan Ding, Li Wang, Huaqing Wu, Xuemin Shen, H. Vincent Poor:

 Tradeoff of Content Sharing Efficiency and Secure Transmission in Coded
 Caching Systems. 1-6

- Lin Xiang, Derrick Wing Kwan Ng, Xiaohu Ge, Zhiguo Ding, Vincent W. S. Wong, Robert Schober:

 Cache-Aided Non-Orthogonal Multiple Access. 1-7
- Exploiting Tradeoff between Transmission Diversity and Content Diversity in Multi-Cell Edge Caching. 1-6
- Thang X. Vu, Lei Lei, Satyanarayana Vuppala, Ashkan Kalantari, Symeon Chatzinotas, Björn E. Ottersten:

 Latency Minimization for Content Delivery Networks with Wireless Edge Caching. 1-6
- Zhijie Chen, Hoshyar Mohammed, Wei Chen:
 Proactive Caching for Energy-Efficiency in Wireless Networks: A Markov
 Decision Process Approach. 1-6
- Dongdong Jiang, Ying Cui:

 Analysis and Optimization of Random Caching in Large-Scale Wireless

 Networks with Multiple Receive Antennas. 1-7
- Peng Wang, Fredrik Berggren:
 Secondary Synchronization Signal in 5G New Radio. 1-6
- Renaud-Alexandre Pitaval, Branislav M. Popovic, Fredrik Berggren, Peng Wang:

 Overcoming 5G PRACH Capacity Shortfall by Combining Zadoff-Chu and MSequences. 1-6
- □ ♣ ♣ Hyoungju Ji, Sunho Park, Byonghyo Shim:
 Sparse Vector Coding for 5G Ultra-Reliable and Low Latency
 Communications. 1-6
- Anteneh A. Gebremariam, Mainak Chowdhury, Muhammad Usman, Andrea Goldsmith, Fabrizio Granelli:

 SoftSLICE: Policy-Based Dynamic Spectrum Slicing in 5G Cellular Networks.

 1-6
- Chiranjib Saha, Mehrnaz Afshang, Harpreet S. Dhillon:
 Integrated mmWave Access and Backhaul in 5G: Bandwidth Partitioning
 and Downlink Analysis. 1-6
- Shih-Chun Lin, Harini Narasimhan:
 Towards Software-Defined Massive MIMO for 5G&B Spectral-Efficient
 Networks. 1-6
- Eren Balevi, Richard D. Gitlin:

 A Clustering Algorithm That Maximizes Throughput in 5G Heterogeneous FRAN Networks. 1-6
- Ming Ding, David López-Pérez, Guoqiang Mao, Zihuai Lin:
 Ultra-Dense Networks: Is There a Limit to Spatial Spectrum Reuse? 1-6
- Tiago P. C. de Andrade, Luiz R. Sekijima, Nelson L. S. da Fonseca:

 A Cluster-Based Random-Access Scheme for LTE/LTE-A Networks
 Supporting Massive Machine-Type Communications. 1-6
- Mariame Amine, Abdellaziz Walid, Abdellatif Kobbane, Jalel Ben-Othman:

 New User Association Scheme Based on Multi-Objective Optimization for

 5G Ultra-Dense Multi-RAT HetNets. 1-6

- Bingtao He, Jian Chen, Yonghong Kuo, Long Yang, Lu Lv:
 Wireless Network Virtualization with Multicast Communications. 1-6
- Antonino Orsino, Olga Galinina, Sergey Andreev, Osman N. C. Yilmaz, Tuomas Tirronen, Johan Torsner, Yevgeni Koucheryavy:

 Improving Initial Access Reliability of 5G mmWave Cellular in Massive V2X Communications Scenarios. 1-7
- Qiang Hu, Douglas M. Blough:
 Optimizing Millimeter-Wave Backhaul Networks in Roadside
 Environments. 1-7
- Yu Liu, Yong Niu, Yong Li, Ming Zeng, Zhu Han:
 Exploiting Multi-Hop Relay to Achieve Mobility-Aware Transmission
 Scheduling in mmWave Systems. 1-6

- Yiming Zhou, Cong Shen, Xiliang Luo, Mihaela van der Schaar:

 A Non-Stationary Online Learning Approach to Mobility Management. 1-6
- David W. Griffith, Fernando J. Cintron, Aneta Galazka, Timothy Hall, Richard Rouil:

 Modeling and Simulation Analysis of the Physical Sidelink Shared Channel (PSSCH). 1-7
- ☐ ♣ ♥ ★ Carlos Feres, Wenhao Wu, Zhi Ding:

 A Markovian ROHC Control Mechanism Based on Transport Block Link

 Model in LTE Networks. 1-7
- ☐ ♣ ♥ ★ KiTaek Lee, Sundo Kim, Junseok Kim, Sunghyun Choi:

 DRaMa: Device-Specific Repetition-Aided Multiple Access for Ultra-Reliable and Low-Latency Communication. 1-6
- Luis Tello-Oquendo, Diego Pacheco-Paramo, Vicent Pla, Jorge Martínez-Bauset:
 Reinforcement Learning-Based ACB in LTE-A Networks for Handling
 Massive M2M and H2H Communications. 1-7
- Yiding Yu, Taotao Wang, Soung Chang Liew:

 Deep-Reinforcement Learning Multiple Access for Heterogeneous Wireless
 Networks. 1-7
- Ahmad Alsharoa, Xiaoyun Zhang, Daji Qiao, Ahmed Kamal:

 An Energy-Efficient Relaying Scheme for Internet of Things
 Communications. 1-6
- Djabir Abd Eldjalil Chekired, Lyes Khoukhi:

 Multi-Tier Fog Architecture: A New Delay-Tolerant Network for IoT Data

 Processing. 1-6
- 🖹 🕹 🦃 🦿 Jelena V. Misic, Vojislav B. Misic:

Lightweight Data	Streaming from	IoT	Devices.	1-6
-------------------------	----------------	-----	----------	-----

- Daniel Zucchetto, Chiara Pielli, Andrea Zanella, Michele Zorzi:

 Random Access in the IoT: An Adaptive Sampling and Transmission

 Strategy. 1-6
- Luca Bedogni, Luciano Bononi, Roberto Canegallo, Fabio Carbone, Marco Di Felice, Eleonora Franchi Scarselli, Federico Montori, Luca Perilli, Tullio Salmon Cinotti, Angelo Trotta:

 Dual-Mode Wake-Up Nodes for IoT Monitoring Applications: Measurements and Algorithms. 1-7
- Taewoon Kim, Daji Qiao, Wooyeol Choi:

 Energy-Efficient Scheduling of Internet of Things Devices for Environment

 Monitoring Applications. 1-7
- Robert Webster, Kumudu S. Munasinghe, Abbas Jamalipour:

 Murmuration Inspired Clustering Protocol for Underwater Wireless Sensor

 Networks. 1-6
- Hongyu Yang, Yuan Zhou, Yu-Hen Hu, Boyu Wang, Sun-Yuan Kung:

 Cross-Layer Design for Network Lifetime Maximization in Underwater

 Wireless Sensor Networks. 1-6
- ♣ ♥ ★ Ngoc-Tu Nguyen, Bing-Hong Liu, Hao-Zhe Weng:

 A Distributed Algorithm: Minimum-Latency Collision-Avoidance Multiple
 Data-Aggregation Scheduling in Multi-Channel WSNs. 1-6
- Mathew L. Wymore, Daji Qiao:

 Opportunistic Many-to-Many Multicasting in Duty-Cycled Wireless Sensor

 Networks. 1-7
- Sara Kassan, Pascal Lorenz, Jaafar Gaber:

 Low Energy and Location Based Clustering Protocol for Wireless Sensor

 Network. 1-6
- Amit Samanta, Yong Li, Sheng Chen:

 QoS-Aware Heuristic Scheduling with Delay-Constraint for WBSNs. 1-7
- Lin Ma, Wan Zhao, Yubin Xu, Cheng Li:

 Radio Map Efficient Building Method Using Tensor Completion for WLAN
 Indoor Positioning System. 1-6
- Nafisa Anzum, Syeda Farzia Afroze, Ashikur Rahman:

 Zone-Based Indoor Localization Using Neural Networks: A View from a Real Testbed. 1-7
- Hanane Amirat, Abderrahim Benslimane, Philippe Fournier-Viger, Nasreddine Lagraa:

 LocRec: Rule-Based Successive Location Recommendation in LBSN, 1-6
- Salwa Abougamila, Mohammed Elmorsy, Ehab S. Elmallah:

 A Graph Theoretic Approach to Localization under Uncertainty. 1-7
- Feihong Yang, Fengyu Zhou, Yuan Shen:
 On the Existence of Infinite Localizable Nodes in Stochastic Networks. 1-5
- Joshua Kraunelis, Xinwen Fu, Wei Yu, Wei Zhao:

 A Framework for Detecting and Countering Android UI Attacks via

- **Inspection of IPC Traffic.** 1-6
- 丛 ❤ ≼ Hua-Zhe Tan, Wei Zhao, Haihua Shen:

 A Context-Perceptual Privacy Protection Approach on Android Devices. 1-7
- Jian Mao, Jingdong Bian, Hanjun Ma, Yaoqi Jia, Zhenkai Liang, Xuxian Jiang: **Robust Detection of Android UI Similarity.** 1-6
- Yaodan Hu, Xuanheng Li, Jianqing Liu, Haichuan Ding, Yanmin Gong, Yuguang Fang:

 Mitigating Traffic Analysis Attack in Smartphones with Edge Network

 Assistance. 1-6
- Tian Xie, Chi-Yu Li, Jiliang Tang, Guan-Hua Tu:

 How Voice Service Threatens Cellular-Connected IoT Devices in the

 Operational 4G LTE Networks. 1-6
- Sarankumar Balakrishnan, Pu Wang, Arup Bhuyan, Zhi Sun:
 On Success Probability of Eavesdropping Attack in 802.11ad mmWave
 WLAN. 1-6
- Seyed Mohammad Asghari, Yi Ouyang, Ashutosh Nayyar, Amir Salman Avestimehr:

 Optimal Coded Multicast in Cache Networks with Arbitrary Content Placement. 1-6
- Abdelrahman M. Ibrahim, Ahmed A. Zewail, Aylin Yener:

 Device-to-Device Coded Caching with Heterogeneous Cache Sizes. 1-6

- Ravi Tandon, Maryam Abdul-Wahid, Firas Almoualem, Deepak Kumar:

 PIR from Storage Constrained Databases Coded Caching Meets PIR. 1-7
- Ye Yu, Xiangyuan Bu, Kai Yang, Zhu Han:
 Green Fog Computing Resource Allocation Using Joint Benders
 Decomposition, Dinkelbach Algorithm, and Modified Distributed Inner
 Convex Approximation. 1-6
- Riccardo Venanzi, Burak Kantarci, Luca Foschini, Paolo Bellavista:

 MQTT-Driven Sustainable Node Discovery for Internet of Things-Fog
 Environments. 1-6
- Yisheng Zhao, Victor C. M. Leung, Hui Gao, Zhonghui Chen, Hong Ji:
 Uplink Resource Allocation in Mobile Edge Computing-Based
 Heterogeneous Networks with Multi-Band RF Energy Harvesting. 1-6
- Suzhi Bi, Ying-Jun Angela Zhang:

 An ADMM Based Method for Computation Rate Maximization in Wireless

 Powered Mobile-Edge Computing Networks. 1-7
- ☐ ♣ ♥ ★ Xilong Liu, Nirwan Ansari:

 Dual-Battery Enabled Green Proximal M2M Communications in LPWA for IoT. 1-6

- Lili Wang, Biling Zhang, Jung-Lang Yu, Zhu Han:
 Contract Design for Traffic Off-Loading Collaboration in H-CRAN with
 Asymmetric Information. 1-6
- Giovanni Giambene, Tran Anh Khoa:

 Efficiency and Fairness in the Resource Allocation to Device-to-Device

 Communications in LTE-A. 1-6
- Alexandra Zayets, Eckehard G. Steinbach:
 Interpolation and Extrapolation of Multipath Fingerprints Using Virtual
 Transmitter Placement. 1-7
- Unicolas Grollier, Sébastien Houcke, Michaël Pelissier:
 Enhanced Spectrally Aware RF Front End Receiver under Non-Linearity. 1-6
- Thomas Ketseoglou, Ender Ayanoglu:

 Downlink Precoding for Massive MIMO Systems Exploiting Virtual Channel

 Model Sparsity. 1-6
- Yunjia Wang, Qimei Chen, Guanding Yu:

 Multi-Homing in Unlicensed LTE Networks. 1-6
- Md Mahmudul Hasan, Shuangqing Wei, Ramachandran Vaidyanathan: Estimation of RFID Tag Population Size by Gaussian Estimator. 1-6
- Yongpeng Shi, Jiajia Liu:
 Inter-Segment Gateway Selection for Transmission Energy Optimization in
 Space-Air-Ground Converged Network. 1-6
- Hussein A. Ammar, Youssef Nasser, Hassan Artail:
 Closed Form Expressions for the Probability Density Function of the
 Interference Power in PPP Networks. 1-6
- Jeremy Nadal, François Leduc-Primeau, Charbel Abdel Nour, Amer Baghdadi:

 A Block FBMC Receiver Designed for Short Filters. 1-6
- El & C & Kathirvel Nallappan, Hichem Guerboukha, Chahé Nerguizian, Maksim Skorobogatiy:

 Live Streaming of Uncompressed 4K Video Using Terahertz Wireless Links.

 1-7
- Hernan-Felipe Arrano-Scharager, Marceau Coupechoux, Jean Marc Kelif:
 Full and Half Duplex-Switching Policy for Cellular Networks under Uplink
 Degradation Constraint. 1-7
- Ruijin Sun, Ying Wang, Nan Cheng, Haibo Zhou, Xuemin Shen:
 QoE Driven BS Clustering and Multicast Beamforming in Cache-Enabled C-RANs. 1-6
- Fanhui Zeng, Rongqing Zhang, Xiang Cheng, Liuqing Yang: UAV-Assisted Data Dissemination Scheduling in VANETs. 1-6
- Binbin Hu, Luoyang Fang, Xiang Cheng, Liuqing Yang:

 Vehicle-to-Vehicle Distributed Storage in Vehicular Networks. 1-6
- \sqsubseteq & \Leftrightarrow \Leftrightarrow Shiva Navabi, Chenwei Wang, Ozgun Y. Bursalioglu, Haralabos C. Papadopoulos:

▼I

Predicting Wireless Channel Features Using Neural Networks. 1-6

- Jin Yang, Angeline Liu, Khaled Elmishad, Anika Rawat, Mike Li, Vikram Rawat:

 Dynamic HARQ Optimization for Voice over LTE. 1-5
- Stefano Galli, Ju Liu, Guanxi Zhang:

 Bare Metal Wires as Open Waveguides, with Applications to 5G. 1-6

- Umair Sajid Hashmi, Syed Ali Raza Zaidi, Arsalan Darbandi, Ali Imran:
 On the Efficiency Tradeoffs in User-Centric Cloud RAN. 1-7
- Roberto Bruschi, Franco Davoli, Paolo Lago, Jane Frances Pajo:

 Move with Me: Scalably Keeping Virtual Objects Close to Users on the

 Move. 1-6
- **△** ♣ Amitav Mukherjee:

 Fog-Aided Data Reception in Next-Generation MIMO Radio Access

 Networks with Edge Sensing. 1-6
- ☐ ♣ ♥ ♣ Jianbo Du, Liqiang Zhao, Jie Feng, Xiaoli Chu, F. Richard Yu:

 Economical Revenue Maximization in Cache Enhanced Mobile Edge
 Computing. 1-6
- Ruidong Li, Kazuhisa Matsuzono, Hitoshi Asaeda, Xiaoming Fu:

 Consecutive Caching and Adaptive Retrieval for In-Network Big Data

 Sharing. 1-6
- Chengcheng Zhao, Mianxiong Dong, Kaoru Ota, Jun Wu, Jianhua Li, Gaolei Li: MapReduce Enabling Content Analysis Architecture for Information-Centric Networks Using CNN. 1-6
- Yuntao Wang, Zhou Su, Qichao Xu:

 A Game Theoretical Charging Scheme for Electric Vehicles in Smart

 Community. 1-5
- Chih-Hang Wang, Jian-Jhih Kuo, De-Nian Yang, Wen-Tsuen Chen:

 Green Software-Defined Internet of Things for Big Data Processing in

 Mobile Edge Networks. 1-7
- Resource Allocation Mechanism for a Fog-Cloud Infrastructure. 1-6

- **Siguang Chen, Lingling Du, Kun Wang, Weifeng Lu: Fog Computing Based Optimized Compressive Data Collection for Big Sensory Data.** 1-6
- Yujiong Liu, Shangguang Wang, Jie Huang, Fangchun Yang:

 A Computation Offloading Algorithm Based on Game Theory for Vehicular

 Edge Networks. 1-6
- ♣ ♥ ★ Wahida Nasrin, Jiang Xie:

 SharedMEC: Sharing Clouds to Support User Mobility in Mobile Edge
 Computing. 1-6
- Yunyu Liu, Zhiyang Xia, Ping Yi, Yao Yao, Tiantian Xie, Wei Wang, Ting Zhu:

 GENPass: A General Deep Learning Model for Password Guessing with PCFG

 Rules and Adversarial Generation. 1-6
- Aurora Schmidt, Clay Fink, Vladimir Barash, Christopher J. Cameron, Michael Macy:

 Using Spectral Clustering of Hashtag Adoptions to Find Interest-Based

 Communities. 1-7
- Cheng-Hsun Chang, Cheng-Shang Chang, Duan-Shin Lee, Ping-En Lu: Exponentially Twisted Sampling for Centrality Analysis in Attributed Networks. 1-7
- Derek Wang, Wanlei Zhou, James Xi Zheng, Sheng Wen, Jun Zhang, Yang Xiang: Who Spread to Whom? Inferring Online Social Networks with User Features. 1-6
- Tengjiao Wang, Jingbo Tan, Wenbo Ding, Yanru Zhang, Fang Yang, Jian Song, Zhu Han:

 Compressive Sensing over Graphs Based Inter-Community Detection
 Scheme in Mobile Social Networks. 1-6
- ♣ ♥ ★ William Thomson, Aniket Mahanti, Mingwei Gong:

 Uploader Motivations and Consumer Dynamics in the One-Click File

 Hosting Ecosystem. 1-7
- Zihuan Wang, Ming Li, Hongyu Li, Qian Liu:

 Hybrid Beamforming with One-Bit Quantized Phase Shifters in mmWave

 MIMO Systems. 1-6
- Jinesh P. Nair, Ranjit K. Guha, Atanu Guchhait, P. S. Chandrashekhar Thejaswi, SaiDhiraj Amuru, Ved Prakash, Daeryong Lee:

 Capacity Based Efficient Beam-Selection Methods for mmWave 5G MIMO Communication Systems. 1-7
- ☐ ♣ ♥ ♥ Juening Jin, Chengshan Xiao, Wen Chen, Yongpeng Wu:

 Hybrid Precoding in mmWave MIMO Broadcast Channels with Dynamic

 Subarrays and Finite-Alphabet Inputs. 1-6
- Deepak Mishra, George C. Alexandropoulos, Swades De:
 Harvested Power Fairness Optimization in MISO SWIPT Multicasting IoT
 with Individual Constraints. 1-6

- Parag Aggarwal, Farah Jabin, Vivek Ashok Bohara:

 Nonlinear Amplification Effects on Dual Band Multi-User MIMO-OFDM

 Systems. 1-6
- Ly V. Nguyen, Duy T. Ngo, Nghi H. Tran, Duy H. N. Nguyen:

 Learning Methods for MIMO Blind Detection with Low-Resolution ADCs. 1-6
- Hsiao-Lan Chiang, Wolfgang Rave, Tobias Kadur, Gerhard P. Fettweis: Frequency-Selective Hybrid Beamforming Based on Implicit CSI for Millimeter Wave Systems. 1-7
- ♣ ♥ ★ Maha Alodeh, Symeon Chatzinotas, Björn E. Ottersten:

 User Selection for Symbol-Level Multigroup Multicasting Precoding in the

 Downlink of MISO Channels. 1-7
- Hsiao-Lan Chiang, Wolfgang Rave, Gerhard P. Fettweis:

 Time-Domain Multi-Beam Selection and Its Performance Improvement for mmWave Systems. 1-7

- ☐ ♣ ♥ ♥ Vishnu V. Ratnam, Andreas F. Molisch:

 Reference Tone Aided Transmission for Massive MIMO: Analog

 Beamforming without CSI. 1-7
- Mahdi Barzegar Khalilsarai, Saeid Haghighatshoar, Xinping Yi, Giuseppe Caire: FDD Massive MIMO: Efficient Downlink Probing and Uplink Feedback via Active Channel Sparsification. 1-6
- Ali Maatouk, Salah Eddine Hajri, Mohamad Assaad, Hikmet Sari, Serdar Sezginer: Graph Theory Based Approach to Users Grouping and Downlink Scheduling in FDD Massive MIMO. 1-7
- ☐ ♣ ♥ ♣ Junyuan Wang, Nathan J. Gomes, Jiangzhou Wang:

 Adaptive Frequency Reuse for Beam Allocation Based Multiuser Massive

 MIMO Systems. 1-6
- Yuan Fang, Xinmin Li, Ling Qiu:

 Asymptotic Equivalent Performance of Uplink Massive MIMO Systems with

 Phase Noise. 1-6
- Hoon Lee, Kyoung-Jae Lee, Hanjin Kim, Inkyu Lee:

 Multi-Antenna SWIPT Systems with Joint Time Switching. 1-6
- Sina Rezaei Aghdam, Tolga M. Duman:

 Secrecy Rate and Harvested Energy Trade-Off for MISO Channels with

 Finite-Alphabet Inputs. 1-6

▼

On the	Capacity	of SWIPT	Systems	with a	Nonlinear	Energy	Harvesting
Circuit.	1-7						

- **Integrated Spectrum Sensing and Energy Harvesting.** 1-6 Sang Wu Kim:
- Sai Kiran Pallapothu, Neelesh B. Mehta:

 Energy-Efficient Detection Using Ordered Transmissions in Energy
 Harvesting WSNs. 1-6
- Dezhi Wang, Wei Wang, Zhaoyang Zhang, Aiping Huang:

 Delay-Optimal Random Access for Large-Scale Energy Harvesting

 Networks. 1-6
- Zongshuai Zhang, Lin Tian, Yiqing Zhou, Ling Liu, Bule Sun, Jinglin Shi:

 Energy Efficient Dynamic Computing Resource Allocation in Centralized
 Radio Access Networks. 1-6
- ♣ ♥ ★ Nguyen Ti Ti, Long Bao Le:

 Computation Offloading in MIMO Based Mobile Edge Computing Systems under Perfect and Imperfect CSI Estimation. 1-6
- Chanwon Park, Jemin Lee:
 Successful Edge Computing Probability Analysis in Heterogeneous
 Networks. 1-6
- Fuhui Zhou, Yongpeng Wu, Haijian Sun, Zheng Chu:

 UAV-Enabled Mobile Edge Computing: Offloading Optimization and
 Trajectory Design. 1-6
- Yuanchao Li, Erkai Chen, Meixia Tao:

 Adaptive Transmission Design in Fog Radio Access Networks with

 Partition-Based Caching. 1-6
- Guowen Xu, Hongwei Li, Yuanshun Dai, Jian Bai, Xiaodong Lin: EFRS: Enabling Efficient and Fine-Grained Range Search on Encrypted Spatial Data. 1-6
- Yunlong Lu, Xiaohong Huang, Yan Ma, Maode Ma:

 A Weighted Context Graph Model for Fast Data Leak Detection. 1-6
- Mahmoud Nabil, Ahmad Alsharif, Ahmed B. T. Sherif, Mohamed M. E. A. Mahmoud, Mohamed F. Younis:

 Efficient Multi-Keyword Ranked Search over Encrypted Data for Multi-Data-Owner Settings. 1-6
- An Yang, Limin Sun, Zhiqiang Shi, Weimin Zheng, Yuyan Sun, Yan Hu:

 Sbsd: Detecting the Sequence Attack through Sensor Data in ICSs. 1-7
- Yuhai Lu, Yanbing Liu, Chunyan Zhang, Jianlong Tan:

 A Data-Deduplication-Based Matching Mechanism for URL Filtering. 1-6
- Zhaoji Zhang, Ying Li, Lei Liu, Huimei Han:

 Sparse Message Passing Based Preamble Estimation for Crowded M2M

- Mohamed Seif, Ravi Tandon, Ming Li:

 On the Secure Degrees of Freedom of 2 x 2 x 2 Multi-Hop Network with

 Untrusted Relays. 1-7
- Sanjeev Sharma, Vimal Bhatia, Anubha Gupta:

 An Iterative Transmitted Reference UWB Receiver for Joint ToA and Data
 Symbols Estimation. 1-7
- Wei Lyu, Zhaoyang Zhang, Chunxu Jiao, Kangjian Qin, Huazi Zhang: Performance Evaluation of Channel Decoding with Deep Neural Networks.
 1-6
- Fei Liang, Cong Shen, Feng Wu:

 Exploiting Noise Correlation for Channel Decoding with Convolutional

 Neural Networks. 1-6
- Arash Gholami Davoodi, Syed Ali Jafar:

 CSIT Thresholds for Collapse of Degrees of Freedom in Wireless Networks.

 1-6
- Mohammad Ranjbar, Nghi H. Tran, Truyen V. Nguyen, Mustafa Cenk Gursoy:

 Optimal Inputs of Single-User and Multi-User Non-Gaussian Aggregate
 Interference Channels. 1-6
- Sanket S. Kalamkar, Martin Haenggi:

 A Simple Approximation of the Meta Distribution for Non-Poisson Cellular

 Networks. 1-6
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 Analyzing Non-Orthogonal Multiple Access (NOMA) in Downlink Poisson

 Cellular Networks. 1-6
- ♣ ♥ ♥ lvana Nikoloska, Nikola Zlatanov, Zoran Hadzi-Velkov:

 On the Capacity of a Full-Duplex Wirelessly Powered Communication

 System with Self-Interference and Processing Cost. 1-7
- Zhengyu Zhu, Zheng Chu, Ning Wang, Zhongyong Wang, Inkyu Lee:

 Energy Harvesting Fairness in AN-Aided Secure MU-MIMO SWIPT Systems with Cooperative Jammer. 1-6
- Mohamed A. Abd-Elmagid, Mustafa A. Kishk, Harpreet S. Dhillon:

 Coverage Analysis of Spatially Clustered RF-Powered IoT Network. 1-7
- Hang Wu, Lixing Chen, Cong Shen, Wujie Wen, Jie Xu:
 Online Geographical Load Balancing for Energy-Harvesting Mobile Edge
 Computing. 1-6
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 Secrecy Energy Efficiency Optimization in AN-Aided MISO System with

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 Sentinel: Defense Mechanism against DDoS Flooding Attack in Software

 Defined Vehicular Network. 1-6
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 Distributed Control and Quality-of-Service in Multihop Wireless Networks.

 1-7
- Satya Jyoti Borah, Sanjay Kumar Dhurandher, Isaac Woungang, Nisha Kandhoul, Joel J. P. C. Rodrigues:

 An Energy-Efficient Location Prediction-Based Forwarding Scheme for Opportunistic Networks. 1-6
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 An Online Mechanism for Crowdsensing with Uncertain Task Arriving. 1-6
- Fatemeh Banaie, Jelena V. Misic, Vojislav B. Misic:

 Priority-Based Caching Policy at a Hybrid IoT Proxy. 1-6
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 DePedo: Anti Periodic Negative-Step Movement Pedometer with Deep Convolutional Neural Networks. 1-6
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 The Impact of Dedicated Short Range Communication on Cooperative

 Adaptive Cruise Control. 1-7
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 KPad: Maximizing Channel Utilization for MU-MIMO Systems Using

 Knapsack Padding. 1-6
- Heng-Ming Hu, Chun-Hung Liu:

 Decoupled Rate-Optimal User Association for Full-Duplex Heterogeneous

 Networks. 1-7
- Yinglei Teng, Wanxin Zhao, Mei Yan, Yong Zhang, Mei Song:

 Robust Beamforming for SWIPT System with Chance Constraints. 1-6
- Jie Feng, Liqiang Zhao, Jianbo Du, Xiaoli Chu, F. Richard Yu:

 Energy-Efficient Resource Allocation in Fog Computing Supported IoT with

 Min-Max Fairness Guarantees. 1-6



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 Name-Based Routing with On-Path Name Lookup in Information-Centric

 Network. 1-6
- Lei Liu, Chen Chen, Zhiyuan Ren, Tie Qiu, Houbing Song:

 A Connectivity Aware Transmission Quality Guaranteed Geographic

 Routing in Urban Internet of Vehicles. 1-6
- Helder M. N. S. Oliveira, Nelson L. S. da Fonseca:

 Spectrum Overlap and Traffic Grooming in P-Cycle Algorithm Protected

 SDM Optical Networks. 1-6
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 Game-Based Defending against Attacks in Software Defined Networks with

 Routing Control. 1-6
- Yunyi Li, Yue Hao, Fei Dai, Yue Yin, Shangang Fan, Jie Yang, Guan Gui, Fumiyuki Adachi:

 Nonconvex Is Attractive: L2/3 Regularized Thresholding Algorithm Using Multiple Sub-Dictionaries. 1-6
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 Secure and Verifiable Outsourcing of Large-Scale Matrix Inversion without
 Precondition in Cloud Computing. 1-6
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 Machine-Learning-Based Online Distributed Denial-of-Service Attack

 Detection Using Spark Streaming. 1-6
- Pan Li, Qiang Liu, Wentao Zhao, Dongxu Wang, Siqi Wang:
 Chronic Poisoning against Machine Learning Based IDSs Using Edge Pattern
 Detection. 1-7
- Jinli Liu, Haokai Song, Qingqi Pei, Zi Li, Yang Zhan, Kefeng Fan:

 TrustCF: A Hybrid Collaborative Filtering Recommendation Model with

 Trust Information. 1-6
- Yu Gu, Tao Liu, Jie Li, Fuji Ren, Zhi Liu, Xiaoyan Wang, Peng Li:
 EmoSense: Data-Driven Emotion Sensing via Off-the-Shelf WiFi Devices. 1-6
- Lijing Cheng, Qingni Shen, Chuntao Dong:
 Invader Job: A Kind of Malicious Failure Job on Hadoop YARN. 1-6
- Guanwen Li, Bohao Feng, Guanglei Li, Huachun Zhou, Shui Yu:

 An SMDP-Based Service Function Allocation Scheme for Mobile Edge
 Clouds. 1-6
- Yu Ma, Weifa Liang, Zichuan Xu:

 Online Revenue Maximization in NFV-Enabled SDNs. 1-7
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 KORA: A Framework for Dynamic Consolidation & Relocation of Control Units in Virtualized 5G RAN. 1-7

- Yongpeng Wu, Chao-Kai Wen, Wen Chen, Shi Jin, Robert Schober, Giuseppe Caire:

 Data-Aided Secure Massive MIMO Transmission with Active Eavesdropping.

 1-6
- □ ♣ ♥ ★ Tugba Erpek, Timothy J. O'Shea, T. Charles Clancy:

 Learning a Physical Layer Scheme for the MIMO Interference Channel. 1-5
- Harsh Tataria, Peter J. Smith, Michail Matthaiou, Hien Quoc Ngo, Pawel A. Dmochowski:

 Revisiting MMSE Combining for Massive MIMO over Heterogeneous Propagation Channels. 1-7
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 Efficient Equalization Method for Cyclic Prefix-Free Coarsely Quantized

 Massive MIMO Systems. 1-6
- Javier Rodríguez-Fernández, Nuria González Prelcic, Robert W. Heath Jr.:

 Channel Estimation for Millimeter Wave MIMO Systems in the Presence of

 CFO Uncertainties. 1-6
- □ ♣ ♥ ♥ Ikram Boukhedimi, Abla Kammoun, Mohamed-Slim Alouini: On the Uplink of Large-Scale MIMO Systems with Correlated Ricean Fading Channels. 1-7
- Hanying Zhao, Lin Zhang, Yuan Shen:
 On the Optimal Beamspace Design for Direct Localization Systems. 1-6
- Bin Han, Hans D. Schotten:
 A Fast Blind Impulse Detector for Bernoulli-Gaussian Noise in Underspread
 Channel. 1-6
- ☐ ♣ ♥ ♥ Jithin Jagannath, Nicholas Polosky, Daniel O'Connor, Lakshmi Narasimhan Theagarajan, Brendan Sheaffer, Svetlana Foulke, Pramod K. Varshney:

 Artificial Neural Network Based Automatic Modulation Classification over a Software Defined Radio Testbed. 1-6
- Aurelien Bonvard, Sébastien Houcke, Mélanie Marazin, Roland Gautier:

 Order Statistics on Minimal Euclidean Distance for Blind Linear Block Code Identification. 1-5
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 A Learning-Based Approach Towards Localization of Crowdsourced MotionData for Indoor Localization Applications. 1-7

⊼

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 Joint Parametric Channel Estimation and Performance Characterization for
 3D Massive MIMO OFDM Systems. 1-6
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 Semi-Blind Channel Estimation and Data-Multiplexing for Massive MIMO

 Network. 1-6
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 Super-Resolution Channel Estimation for mmWave Massive MIMO. 1-5
- Wenyan Ma, Chenhao Qi:
 Over-Sampled Beamspace Channel Estimation for Millimeter Wave Massive
 MIMO. 1-6
- Anas Saci, Abdallah Shami, Arafat J. Al-Dweik:

 Blind Channel Estimation Using Cooperative Subcarriers for OFDM

 Systems. 1-6
- Mohammadali Mohammadi, Zahra Mobini, Himal A. Suraweera, Zhiguo Ding:

 Antenna Selection in Full-Duplex Cooperative NOMA Systems. 1-6
- Rony Kumer Saha, Shinobu Nanba, Kosuke Nishimura:

 Clustering and Centralized Resource Scheduling of 3D In-Building Small

 Cells for Intra MAC Functional Split Control-/User-Plane Decoupled CRAN.

 1-7
- Jingjing Zhao, Yuanwei Liu, Toktam Mahmoodi, Kok Keong Chai, Yue Chen, Zhu Han:

 Resource Allocation in Cache-Enabled CRAN with Non-Orthogonal Multiple
 Access. 1-6
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 Joint User Association and Resource Optimization for Unlicensed LTE

 Systems. 1-6
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 Optimal Joint Subcarrier and Power Allocation in NOMA Is Strongly NP-Hard. 1-7
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 Dynamic Resource Allocation for Uplink MIMO NOMA VWN with Imperfect

 SIC. 1-6
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 Outage-Constrained Robust Power Allocation for Downlink MC-NOMA with

 Imperfect SIC. 1-7
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 Fractional Frequency Reuse in Non-Orthogonal Multiple Access
 Heterogeneous Networks. 1-6
- Zening Liu, Boqi Jia, Xiumei Yang, Honglin Hu, Yang Yang:

 A Matching-Based User Pairing and Resource Allocation Mechanism for V-MIMO Systems. 1-6
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 Statistical QoS-Driven Power Allocation for Cooperative Caching over 5G
 Big Data Mobile Wireless Networks. 1-6
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 Collaborative Hierarchical Caching over 5G Edge Computing Mobile

 Wireless Networks. 1-6
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 A Flow Rule Timeout Assignment Algorithm for SDN-Assisted Network
 MIMO Systems. 1-6
- Yanjie Dong, Ahmed El Shafie, Md. Jahangir Hossain, Julian Cheng, Naofal Al-Dhahir, Victor C. M. Leung:

 Secure Beamforming in Full-Duplex SWIPT Systems with Loopback Self-Interference Cancellation. 1-6
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 Drone-Based Antenna Array for Service Time Minimization in Wireless
 Networks. 1-6
- Francesco Betti Sorbelli, Sajal K. Das, Cristina M. Pinotti, Simone Silvestri:
 On the Accuracy of Localizing Terrestrial Objects Using Drones. 1-7
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 Backhaul for Low-Altitude UAVs in Urban Environments. 1-6
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 Load-Aware Sub-Band and Wavelength Allocation in Radio-over-Fiber

 Enabled Dense Wireless Pico-Cell Networks. 1-6
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 Mobility-Aware Multi-User MIMO Link Scheduling for Dense Wireless
 Networks. 1-7

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- ☑ ♥ ♥
 Zhanzhan Zhang, Zhiyong Chen, Bin Xia:
 Cache-Enabled Uplink Transmission in Wireless Small Cell Networks. 1-6
- L. Rajya Lakshmi, Biplab Sikdar:
 Fair Scheduling of Concurrent Transmissions in Directional Antenna Based
 WPANs/WLANs. 1-6
- Rawan F. El Khatib, Nizar Zorba, Hossam S. Hassanein:

 Multi-Tasking for Cost-Efficient Mobile Crowdsensing under Uniformity

 Constraints. 1-6
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 Optimal Cellular Traffic Offloading through Opportunistic Mobile Networks by Data Partitioning. 1-6
- Sara A. Elsayed, Sherin Abdel Hamid, Hossam S. Hassanein:

 Proactive Caching at Parked Vehicles for Social Networking. 1-6
- Feng Tian, Liling Huang:

 Market-Based Incentive Mechanism Design for Crowdsourcing. 1-6
- ☐ ♣ ♥ ♥ Jiwei Li, Zhe Peng, Bin Xiao:

 New Mobility-Aware Application Offloading Design with Low Delay and
 Energy Efficiency. 1-6
- Fujuan Guo, Mehmet C. Vuran, Kanghyeok Yang, Changbum R. Ahn:

 MPSBL: Multiple Transmit Power Assisted Sequence-Based Localization in

 Wireless Sensor Networks. 1-6
- Jihed Eddine Said, Jalal Almhana, Lutful Karim:

 DHMC: A Connection-Oriented Clustering Protocol for Mobility-Centric

 Sensor Networks. 1-6
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 Autonomous Mobile Chargers for Rechargeable Sensor Networks Using
 Space Filling Curve. 1-6
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 Context Aware MWSN Optimal Redeployment Strategies for Air Pollution

 Timely Monitoring. 1-7
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Context-Aware Authorization	and Anonymous	Authentication	in V	Vireless
Body Area Networks. 1-7				

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 Two-Levels Verification for Secure Data Aggregation in Resource
 Constrained Environments. 1-6
- Kushan Sudheera Kalupahana Liyanage, Maode Ma, Peter Han Joo Chong:

 Link Stability Based Hybrid Routing Protocol for Software Defined

 Vehicular Networks. 1-6
- Safa Otoum, Burak Kantarci, Hussein T. Mouftah:
 Adaptively Supervised and Intrusion-Aware Data Aggregation for Wireless
 Sensor Clusters in Critical Infrastructures. 1-6
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 Distributed Anomaly Detection Using Autoencoder Neural Networks in

 WSN for IoT. 1-6
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 Game-Theoretic Approach to Malicious Controller Detection in Software

 Defined Networks. 1-6
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 Cross-Layer Authentication Protocol Design for Ultra-Dense 5G HetNets. 1-7
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 SENAD: Securing Network Application Deployment in Software Defined

 Networks. 1-6
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 Edge-Based Content Delivery for Providing QoE in Wireless Networks Using Quotient Filter. 1-6
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 Location Dependent Pricing in Edge Caching Market with Non-Uniform

 Popularity. 1-7
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 Energy Demand Scheduling Based on Game Theory for Microgrids. 1-6
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 Family-Aware Pricing Strategy for Accelerating Video Dissemination over Information-Centric Vehicular Networks. 1-7
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 Communication. 1-7
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 Successive Cancellation Soft Output Detector for Uplink MU-MIMO
 Systems with One-Bit ADCs. 1-6
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 How to Scale up the Spectral Efficiency of Multi-Way Massive MIMO

 Relaying? 1-7
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 Multi-Hop Massive MIMO Relay Networks. 1-7
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 Millimeter Wave Communications with Reconfigurable Antennas. 1-6
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 On-the-Fly Large-Scale Channel-Gain Estimation for Massive Antenna-Array
 Base Stations. 1-6
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 Green Social CPS Based E-Healthcare Systems to Control the Spread of Infectious Diseases. 1-5
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 Reservation Based Electric Vehicle Charging Using Battery Switch. 1-6
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 Socio-Physical Energy-Efficient Operation in the Internet of Multipurpose Things. 1-7
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 Designing Pricing Incentive Mechanism for Proactive Demand Response in Smart Grid. 1-6
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 Realizing Green Symbol Detection via Reservoir Computing: An Energy-Efficiency Perspective. 1-6
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 On the Optimality of Virtualized Security Function Placement in Multi-Tenant Data Centers. 1-6
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Mohammad S. Obaldat:
Deep Learning-Based Content Centric Data Dissemination Scheme for
Internet of Vehicles. 1-6

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 Spatially-Dispersed Caching in Information-Centric Networking. 1-7
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 Extendable NFV-Integrated Control Method Using Reinforcement Learning.

 1-7
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 Two-Stage Adaptive Bloom Filters for Per-Flow Monitoring in Software
 Defined Networks. 1-7
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 SafeDrive-Fi: A Multimodal and Device Free Dangerous Driving Recognition
 System Using WiFi. 1-6
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 Communications. 1-6
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 Relay Selection Based Hybrid RF/FSO Transmission over Double

 Generalized Gamma Channels under Outdated CSI and Pointing Errors. 1-6
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 Wireless Links with Turbulence. 1-6
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 Achieving Minimum Error in MISO Optical Spatial Modulation. 1-6
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 Novel Compressive Sensing Based Channel Estimation for Wideband
 Underwater Visible Light Communication. 1-6
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 Efficient and Secure kNN Classification over Encrypted Data Using Vector

 Homomorphic Encryption. 1-7
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 Data. 1-6
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 Method Based on Distributed Framework. 1-6
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 TCAM Depletion. 1-6
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 Approach. 1-6

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 Fiber-Wireless (FiWi) Access Network. 1-6
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 Algorithms for Fault-Tolerant Placement of Stateful Virtualized Network

 Functions. 1-7
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 IoT. 1-6
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 Detection for 5G-NOMA: An Online Adaptive Machine Learning Approach.

 1-6
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 Energy-Efficient Hybrid Precoding for mmWave Multi-User Systems. 1-6
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 Grouping Method. 1-6
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 Space-Time Block Coded Rectangular Differential Spatial Modulation. 1-6
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 User Association in Non-Orthogonal Multiple Access Networks. 1-6
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 Downlink Power Control in Massive MIMO Networks with Distributed

 Antenna Arrays. 1-6

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 Localization-Based Polar Code Construction with Sublinear Complexity. 1-6

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 Partitioned Successive-Cancellation Flip Decoding of Polar Codes. 1-6
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 Polar Coding with Enhanced Channel Polarization under Frequency

 Selective Fading Channels. 1-6
- Toshiaki Koike-Akino, Congzhe Cao, Ye Wang:

 Turbo Product Codes with Irregular Polar Coding for High-Throughput

 Parallel Decoding in Wireless OFDM Transmission. 1-7
- Ahmad RezazadehReyhani, Arman Farhang, Mingyue Ji, Rong-Rong Chen, Behrouz Farhang-Boroujeny:

 Analysis of Discrete-Time MIMO OFDM-Based Orthogonal Time Frequency Space Modulation. 1-6
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 Offset Spatial Modulation: An Efficient Solution for Single-RF MIMO. 1-5
- ☐ ♣ ♥ ♥ Jhih-Wei Shih, Jung-Chun Chi, Yuan-Hao Huang, Pei-Yun Tsai, I-Wei Lai:

 Theoretical Performance Analysis Assisted by Machine Learning for Spatial Permutation Modulation (SPM) in Slow-Fading Channels. 1-6
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 HDM: Hyper-Dimensional Modulation for Robust Low-Power
 Communications. 1-6
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 Throughput Maximization for Multi-Carrier Non-Orthogonal Multiple
 Access Systems with Coordinated Direct and Relay Transmission. 1-6
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 Coordinated Scheduling for Non-Orthogonal Multiple Access (NOMA) in a
 Cloud-RAN System. 1-6
- 🖹 🕹 🗬 🦿 Maria Luisa Merani:

▼I

- Recovery Failure Probability of Power-Based NOMA on the Uplink of a 5G Cell for an Arbitrary Number of Superimposed Signals. 1-6
- Boya Di, Lingyang Song, Yonghui Li, Shengli Zhang:

 Trellis Coded Modulation for Code-Domain Non-Orthogonal Multiple Access

 Networks. 1-6
- Zhiguo Ding, Pingzhi Fan, George K. Karagiannidis, Robert Schober, H. Vincent Poor:
 On the Application of NOMA to Wireless Caching. 1-7
- Yeojin Kim, Donghyun Kim, Junggab Son, Wei Wang, YoungTae Noh:

 A New Fog-Cloud Storage Framework with Transparency and Auditability.

 1-7
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 New Algorithm for Secure Outsourcing of Modular Exponentiation with

 Optimal Checkability Based on Single Untrusted Server. 1-6

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 Analysis of the Communication Traffic for Blockchain Synchronization of loT Devices. 1-7
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 SeMIBIOT: Secure Multi-Protocol Integration Bridge for the IoT. 1-7
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 Harvesting-Throughput Trade-Off for Wireless-Powered Smart Grid IoT

 Applications: An Experimental Study. 1-6
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 A Framework for Pairing Circular Economy and the Internet of Things. 1-6
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 A Fog Computing-Oriented, Highly Scalable IoT Framework for Monitoring Public Educational Buildings. 1-6
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 Traffic Load-Based Spectrum Sharing for Multi-Tenant Cellular Networks
 for IoT Services. 1-6
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 A. 1-6
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- Latency Comparison of Replication and Coding for Data Access under Random Scheduling. 1-6
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 Wireless Caching Helper Networks: Ginibre Point Process Modeling and
 Analysis. 1-6
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 Networks. 1-6
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 Cognitive Radios. 1-6
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 Power Control in Full-Duplex Ultra-Dense Heterogeneous Networks. 1-6
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 Exploiting Full-Duplex Communication in AP-Based Wireless Networks via a
 Novel MAC Protocol. 1-7
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 A Machine Learning Approach to Blind Modulation Classification for MIMO

 Systems. 1-6
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 Pilot Decontamination for Cell-Edge Users in Multi-Cell Massive MIMO
 Based on Spatial Filter. 1-6
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 Joint Mode and Rate Adaptation for Asymmetric Full-Duplex

 Communications in WLANs. 1-7
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 Echo State Learning for Wireless Virtual Reality Resource Allocation in UAVEnabled LTE-U Networks. 1-6
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 Distributed Power Allocation Based on Robust Hinfinity Control for
 Cognitive Radio Network with Time-Varying Channel Uncertainties. 1-6

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 Optimal Mechanism Design with Flexible Consumers and Costly Supply. 1-7
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 Multi-Destination Rendezvous in Cognitive Radio Networks. 1-6

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 Maximum Mean Discrepancy Based Secure Fusion Strategy for Robust

 Cooperative Spectrum Sensing. 1-6
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 Multi-Band RF Energy and Spectrum Harvesting in Cognitive Radio

 Networks. 1-6
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 Spectrum Measurement Markets for Tiered Spectrum Access. 1-6

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 Small Cells Placement for Crowd Networks. 1-6
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 Proactive Anomaly Detection Model for eHealth-Enabled Data in Next

 Generation Cellular Networks. 1-6
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 Optimal Pricing-Based Edge Computing Resource Management in Mobile

 Blockchain. 1-6
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 Toward a Mobile Gaming Based-Computation Offloading. 1-7
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 Communication, Computing and Caching for Mobile VR Delivery: Modeling and Trade-Off. 1-6
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 Efficient Minimum-Energy Scheduling with Machine-Learning Based

 Predictions for Multiuser MISO Systems. 1-6
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 Optimum Energy Efficiency and Age-of-Information Tradeoff in Multicast
 Scheduling. 1-6
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 Online Green Data Gathering from Geo-Distributed IoT Networks via LEO
 Satellites. 1-6
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 Green Resource Management for Over-the-Top Services in 5G Networks
 Using Matching Theory. 1-6

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 Robust Beamforming Design in a NOMA Cognitive Radio Network Relying on SWIPT. 1-6
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 Performance Analysis for Tag Selection in Backscatter Communication

 Systems over Nakagami-m Fading Channels. 1-5
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 Delay Optimal Beamformer Design for Cache-Enabled Wireless Backhaul

 Networks. 1-6
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 A Novel and Tractable Antenna Selection in Spatial Modulation Systems. 1-
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 Non-Orthogonal Pilot Designs with Collision Detection Capability for GrantFree Access. 1-6
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 Retransmission Policy with Frequency Hopping for Ultra-Reliable and LowLatency Communications. 1-6
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 A Graph Theoretic Approach for Training Overhead Reduction in FDD Massive MIMO Systems. 1-7
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 UAV-Assisted Cooperative Communications with Time-Sharing SWIPT. 1-6
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 Cellular Offloading via Downlink Cache Placement. 1-7
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 Massive MIMO-OFDM Channel Estimation via Structured Turbo
 Compressed Sensing. 1-6
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 Time-Fractional User Association in Millimeter Wave MIMO Networks. 1-6
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 Pilot Sequence Length and BS Location Optimization in Massive MIMO

 Heterogeneous Cellular Networks. 1-7
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¥

Antenna Switching Sequence	Design for	Channel	Sounding	in a	Fast	Time
Varying Channel. 1-6						

- ☐ ♣ ♥ ♥ Guodong Zhao, Sihua Lin, Liying Li, Zhi Chen:

 CTLinQ: Content-Centric Link Scheduling in Cache-Enabled Device-toDevice Wireless Networks. 1-5
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 Nonlinear Equalization with Deep Learning for Multi-Purpose Visual MIMO

 Communications. 1-6
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 An Active Updating Strategy for Caching Periodic Data in the Internet of Things. 1-6
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 Game Theoretical Secure Caching Scheme in Multi-Homing Heterogeneous

 Networks. 1-6
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 Centralized Coded Caching of Correlated Contents. 1-6
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 Topology Mapping for Popularity-Aware Video Caching in Content-Centric Network. 1-6
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 SI-POF Transmission with CAP Modulation and Split-Complex MLP

 Equalizer. 1-6
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 Noise Resistant Spreading OOFDM Design for Suppressing PAPR of High
 Data Rate Wireless Optical Communication System. 1-6
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 Correlation Analysis and Path Loss Prediction for Optical Wireless

 Scattering Communication over Broad Spectra. 1-6
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 Shed: Optimal Dynamic Cloning to Meet Application Deadlines in Cloud. 1-7
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 Making Big Data Open in Collaborative Edges: A Blockchain-Based
 Framework with Reduced Resource Requirements. 1-6

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 OMCO: Online Multiple Coflow Scheduling in Optical Circuit Switch. 1-6
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 An Interest Shaping Mechanism in NDN: Joint Congestion Control and Traffic Management. 1-6
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 Diffusive Molecular Communications with Reactive Signaling. 1-7
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 Implementation of Mealy Machine with Molecular Reactions. 1-6
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 Optimal Detection Interval for Absorbing Receivers in Molecular

 Communication Systems with Interference. 1-7
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 Coordination via Advection Dynamics in Nanonetworks with Molecular

 Communication. 1-6
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 Maximum Likelihood Detection for Cooperative Molecular Communication.

 1-7
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 Pilot Allocation and Sum-Rate Analysis in Cell-Free Massive MIMO Systems.

 1-6

▲

- Manijeh Bashar, Kanapathippillai Cumanan, Alister G. Burr, Mérouane Debbah, Hien Quoc Ngo:

 Enhanced Max-Min SINR for Uplink Cell-Free Massive MIMO Systems. 1-6
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 Centralized Scheduling Strategies for Cooperative HARQ Retransmissions in Multi-Source Multi-Relay Wireless Networks. 1-6
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 Interference Aware CoMP for Macrocell-Based Heterogeneous Ultra Dense
 Cellular Networks. 1-6
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 Capacity of UAV-Enabled Multicast Channel: Joint Trajectory Design and Power Allocation. 1-7
- ☐ ♣ ♥ ♥ Vishnu Vardhan Chetlur Ravi, Sayantan Guha, Harpreet S. Dhillon:
 Characterization of V2V Coverage in a Network of Roads Modeled as
 Poisson Line Process. 1-6
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 UAV-Aided Wireless Communication Design with Propulsion Energy
 Constraint. 1-6
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 Cellular-Enabled UAV Communication: Trajectory Optimization under
 Connectivity Constraint. 1-6
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 Graph-Based Radio Resource Management for Vehicular Networks. 1-6
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 Deep Reinforcement Learning for Resource Allocation in V2V

 Communications. 1-6
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 Connectivity Times for Mobile D2D Networks. 1-6
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 Coverage and Spectral Efficiency of Device-to-Device Relay-Assisted

 Cellular Networks. 1-6
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 On the Caching Policy and Cooperation Distance Design in Base Station
 Assisted Wireless D2D Networks. 1-7
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 On Coverage Probabilities and Sum-Rate of Full-Duplex Device-to-Device
 Cellular Networks. 1-6
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 Joint Device Caching and Channel Allocation for D2D-Assisted Wireless

 Content Delivery. 1-6

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 Fault Tolerant Controller Placement in Distributed SDN Environments. 1-7
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 Optimization Model for Designing Multiple Virtualized Campus Area

 Networks Coordinating with Wide Area Networks. 1-6
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 A Reliability Study of Parallelized VNF Chaining. 1-6
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 A Novel Compact Header for Traffic Steering in Service Function Chaining.

 1-6
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 Software-Defined Networking. 1-6
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 High-Precision Design of Pedestrian Mobility for Smart City Simulators. 1-6
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 Resource Capacity Analysis in Network Slicing with Ensured End-to-End
 Performance Bound. 1-6
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 Analysis and Measurement of Zone Dependency in the Domain Name

 System. 1-7
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 Routing Metrics Depending on Previous Edges: The Mn Taxonomy and Its

 Corresponding Solutions. 1-7
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 Estimation. 1-6
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An Agent-Based QoE	Monitoring Strategy	for LTE Networks. 1-6

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 Massive MTC. 1-6

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 Based on the Support Vector Machine Algorithm. 1-5
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 Multimedia Services over 5G Networks. 1-7
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 Towards Robust Network Slice Design under Correlated Demand
 Uncertainties. 1-7
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 Femtocell Scheduling as a Restless Multiarmed Bandit Problem Using
 Partial Channel State Observation. 1-6
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 On Correlating ISP Topologies to Their Businesses. 1-7
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 Full-Duplex RTS/CTS Aided CSMA/CA Mechanism for Visible Light
 Communication Network with Hidden Nodes under Saturated Traffic. 1-6

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 Increasing Throughput of Dense-Transmitter VLC Networks through
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 Combinational Code for Channel Estimation in Visible Light

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 Cooperative Dynamic Voltage Scaling and Radio Resource Allocation for Energy-Efficient Multiuser Mobile Edge Computing. 1-6
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 Social Welfare Maximization Auction in Edge Computing Resource
 Allocation for Mobile Blockchain. 1-6
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 BARA: A Battery Energy and Data Rate Aware Resource Allocation

 Algorithm for QoE in D2D Communication Underlaying Cellular Networks.

 1-6
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 Balance-Based SDN Controller Placement and Assignment with Minimum

 Weight Matching. 1-6
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 Carrier-Scale Packet Processing System Using Interleaved 3D-Stacked

 DRAM. 1-6

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 Delivery. 1-6
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 A Performance Comparison of LBE Based Coexistence Protocols for LAA

 and Wi-Fi. 1-6
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 A Novel Orthogonal Transmission Scheme for Visible Light Communication.
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 Hybrid LACO-OFDM with Dimming Control for Visible Light
 Communication. 1-6
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 Communication System. 1-6
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 SCMA with Low Complexity Symmetric Codebook Design for Visible Light
 Communication. 1-6
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▲

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 Consuming Logs. 1-6
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 Auto-Tuning Spark Configurations Based on Neural Network. 1-6
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 1-6
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 Joint Access and Resource Management for Delay-Sensitive Transcoding in

 Ultra-Dense Networks with Mobile Edge Computing. 1-6
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 Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile

 Cloud Networking. 1-6
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 System Modeling of Virus Transmission and Detection in Molecular

 Communication Channels. 1-6
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 Computing-Inspired Detection of Multiple Cancers. 1-6
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 Timing Control of Single Neuron Spikes with Optogenetic Stimulation. 1-6
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 Implementation of Sinusoids and Pulse Width Modulation with Chemical
 Reactions. 1-6
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 Motion Sensor Aided Beam Tracking in Mobile Devices of Millimeter-Wave

 Communications. 1-7
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 Communications. 1-7

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 A Model for Infrastructure Sharing in mmWave Cellular Networks. 1-6
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 Optimal Beam-Sweeping and Communication in Mobile Millimeter-Wave

 Networks. 1-6
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 Physical-Layer Security in Full-Duplex Multi-User Relay Networks. 1-6
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 Joint Trajectory and User Scheduling Optimization for Dual-UAV Enabled

 Secure Communications. 1-6
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 Secrecy Performance of Incremental Relaying with Outdated CSI. 1-6
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 Optimal Pricing Strategy for Telecom Operator in Cellular Networks with

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 Power-Optimal Scheduling for Delay Constrained Mobile Computation

 Offloading. 1-6
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 Energy Efficient Network Architecture for Seismic Data Acquisition via

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 Performance Analysis of an Adaptive Queue-Aware Random Access
 Scheme with Random Traffic. 1-6
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 Break-Even Point-Based Radio Resource Management for Fair Coexistence
 between U-LTE and Wi-Fi. 1-6

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 Performance Analysis of Uplink Multi-User OFDMA in IEEE 802.11ax. 1-6
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 Aggregation in LTE-U and WiFi Coexistence Networks. 1-6
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 Software-Based Implementation of LTE/Wi-Fi Aggregation and Its Impact
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 IEEE 802.11n/ac Data Rates under Power Constraints. 1-6
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 PhyCast: Towards Energy Efficient Packet Overhearing in WiFi Networks. 1-6
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 Success Prioritized Distributed Coordination Function with ContentionFree Threshold. 1-6
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 Channel-Aware Content Caching and Sharing for Traffic Offloading in D2D
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 Systems. 1-7
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 Deep Reinforcement Learning for Interference-Aware Path Planning of
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 Communications Systems. 1-6
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 Tradeoffs for Data Collection and Wireless Energy Transfer Dilemma in IoT
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 Networks. 1-6
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 1-7
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 Empirical Evaluation of the Hypervisor Scheduling on Side Channel Attacks.

 1-6

- ☑ ❖ ๘
 Marco Gamarra, Sachin Shetty, David M. Nicol, Oscar Gonazlez, Charles A. Kamhoua, Laurent Njilla:
 Analysis of Stepping Stone Attacks in Dynamic Vulnerability Graphs. 1-7
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 MAC Layer Misbehavior Detection Using Time Series Analysis. 1-7
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 1-6
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 Dynamic Psychological Game for Adversarial Internet of Battlefield Things

 Systems. 1-6
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 On the Human Factor Consideration for VANETs Security Based on Social Networks. 1-6
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 State Estimation Based Energy Theft Detection Scheme with Privacy
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 Technology. 1-6
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 Improving Data Utility through Game Theory in Personalized Differential
 Privacy. 1-6
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 SRPV: A Scalable Revocation Scheme for Pseudonyms-Based Vehicular Ad
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 Service in a Multi-Provider Wireless Heterogeneous Network. 1-7
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 Networks. 1-6
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 MATCH: Multiple Access for Multiple Traffic Classes in 5G HetNets. 1-6
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 Study of Realistic Antenna Patterns in 5G mmWave Cellular Scenarios. 1-6
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 Optimal Scheduling across Heterogeneous Air Interfaces of LTE/WiFi
 Aggregation. 1-6
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 Economic Impact Analysis of Control Plane Architectures in Software

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 Geo-SDVN: A Geocast Protocol for Software Defined Vehicular Networks. 1-6
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 Performance Evaluation of NDN Applications in Low-Interference Mobile

 Ad Hoc Environments. 1-6
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 QAAV: Quality of Service-Aware Adaptive Allocation of Virtual Network Functions in Wireless Network. 1-6
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 Preventing Wi-Fi Privacy Leakage: A User Behavioral Similarity Approach. 16
- Zhenyuan Zhang, Zengshan Tian, Mu Zhou, Wei Nie, Ze Li:
 Riddle: Real-Time Interacting with Hand Description via Millimeter-Wave
 Sensor. 1-6
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 5G Networking. 1-6

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 Running an IDS Virtual Network Function inside an SDN Bare Metal
 Commodity Switch. 1-6
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 Resource Requirements for Reliable Service Function Chaining. 1-7
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 Random Access Optimization by Deep Reinforcement Learning. 1-6
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 Computation Offloading and Resource Allocation in D2D-Enabled Mobile

 Edge Computing. 1-6
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 Joint Task Assignment and Wireless Resource Allocation for Cooperative

 Mobile-Edge Computing. 1-6
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 Allocating Multi-Rate Requests to Single-Rate Lightpaths in Flexgrid Optical
 Networks. 1-6
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 1-6
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 Cognitive Optical Networks. 1-6
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 Distributed Routing. 1-6
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 Communications Network. 1-6
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 Generalized Cooperative Spectrum Sharing Scheme for Internet of Things
 Systems. 1-7
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 A GPS Synchronized, Long-Range Uplink-Only Radio Designed for IoT. 1-6
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 Simulation of LoRa in NS-3: Improving LoRa Performance with CSMA. 1-7

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 IEEE 802.15 Low Power Wide Area Network (LPWAN) PHY Interference
 Model. 1-6
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 Interference Management Using Cooperative NOMA in Multi-Beam
 Satellite Systems. 1-6
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 On the Complexity of Sample Vs. Block-Based Predistortion for High
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 High Energy Efficiency Transmission in MIMO Satellite Communications. 1-6
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 User Scheduling for Millimeter Wave MIMO Communications with LowResolution ADCs. 1-6
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 Object Tracking via Blocking in Millimeter Wave Communications: A
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 Performance Analysis of Millimeter Wave NOMA Networks with Beam
 Misalignment. 1-7
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 Uplink Interference Analysis with RF Switching for Lens-Based Millimeter-Wave Systems. 1-7
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 Outage Analysis of Heterogeneous mmWave Cellular Systems Employing
 JSDM. 1-6
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 Experimental Characterization of the Dependence of UWB Personal Area
 Networks Channels on Body Mass Index. 1-6
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 1-6
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Secrecy Outage Probability Analysis over Malaga-Malaga Fading Channels.

1-6

Tinghan Yang, Rongqing Zhang, Xiang Cheng, Liuqing Yang:

Performance Analysis of Secure Communication in Massive MIMO with

Imperfect Channel State Information. 1-6

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Improving Secrecy under High Correlation via Discriminatory Channel
Estimation. 1-6

▼

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Secrecy Capacity of the Fast Fading SISO Wiretap Channel within 11 Bits with Only CSIR. 1-6

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JRA2: Joint Optimization of Resource Allocation and Rate Adaptation for
DASH Services. 1-7

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 Online Cloud Resource Allocation and Pricing with Server Speed Scaling. 1-6

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 QoE-Driven Joint Resource Allocation for Content Delivery in Fog Computing Environment. 1-6

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Resource-Efficient Secure Data Sharing for Information Centric E-Health

System Using Fog Computing. 1-6

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Radio Networks. 1-7

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Protecting Operational Information of Incumbent and Secondary Users in
FCC Spectrum Access System. 1-6

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🖹 🕹 🧠 « Fuhui Zhou, Zheng Chu, Haijian Sun, Victor C. M. Leung:

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 On the Profit Maximization of Spectrum Investment under Uncertainties in
 Cognitive Radio Networks. 1-6
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 Three-Tier Hierarchical Model of Dynamic Spectrum Sharing Based on

 Hybrid Authorization Using Geolocation Database and Cognitive Radio. 1-6
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 Power Allocation for Full-Duplex MISO Underlay Cognitive Radio Networks
 with Energy Harvesting. 1-6
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 Energy Cost Reduction for Hybrid Energy Supply Base Stations with Sleep

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 Viewport-Driven Rate-Distortion Optimized 360° Video Streaming. 1-7
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 Markov Decision Process. 1-6
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 Architecture. 1-6
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 Proactive In-Network Caching for Mobile On-Demand Video Streaming. 1-6
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 Selection of Servers for Video on Demand Service over Hybrid Cloud. 1-7
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 Coordination in HetNets. 1-6
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 Predistortion. 1-6
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 Carrier Wireless Communications. 1-6
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 Energy-Efficient Virtual Network Function Placement in Telecom Networks.

 1-7
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 System. 1-6

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 Optimal Sensing for Patient Health Monitoring. 1-7
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 Identity Management Framework for E-Health Systems over 5G Networks.

 1-6
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 EPIC: Efficient Privacy-Preserving Contact Tracing for Infection Detection. 16
- Ping-Chun Hsieh, Yupeng Jia, Darwin Parra, Prabha Aithal:

 An Experimental Study on Coverage Enhancement of LTE Cat-M1 for Machine-Type Communication. 1-5
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 Communication Reliability. 1-7
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 Experimental Comparison of Industrial Internet of Things Protocol Stacks in Time Slotted Channel Hopping Scenarios. 1-6

▼

Impulsive Noise Mitigation. 1-7

- Pengfei Huang, Eitan Yaakobi, Paul H. Siegel:
 Ladder Codes: A Class of Error-Correcting Codes with Multi-Level Shared
 Redundancy. 1-7
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 Applications to Distributed Storage. 1-6
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 Multitrack Detection with 2D Pattern-Dependent Noise Prediction. 1-6
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 Mitigation of Distribution Level Load Fluctuation by Exploiting Elasticity of
 Local Area Packetized Power Networks. 1-6
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 Electricity Market Participants. 1-7
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 Environment. 1-6
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 TCP-GEN Framework to Achieve High Performance for HAIPE-Encrypted TCP
 Traffic in a Satellite Communication Environment. 1-7
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 N-Look Ahead Routing and Scheduling (N-LARS) for DTN Space Networks. 1-

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 Routing in Space Delay Tolerant Networks under Uncertain Contact Plans.

 1-6
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 Diversity Gain Analysis of Distributed CDD Systems in Non-Identical

 Frequency Selective Fading. 1-6
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 Asymptotic Outage Probability of Dual-Branch Equal-Gain Combining over Correlated, Non-Identically Distributed Lognormal Fading Channels. 1-6

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 Johnson-Mehl Cell-Based Analysis of UL Cellular Network with Coupled
 User and BS Locations. 1-7
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 Capacity in TDD HetNets. 1-6
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 Systems. 1-7
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 Parallel Dynamic Cell Selection and Link Scheduling. 1-6
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 Multiuser MIMO Short-Packet Communications: Time-Sharing or Zero-Forcing Beamforming? 1-6
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 Exploiting Daily Trajectories for Efficient Routing in Vehicular Ad Hoc Networks. 1-6
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 Automatic Event Triggering from Data Collected from Connected Vehicles.

 1-5
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 Large-Scale MISO-OFDM Systems. 1-6
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 Joint Steganography-Source-Channel Coding for Wireless Physiological Signal Transmission. 1-6
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 Channel-Aware Secure Communication via Hybrid Wiretap Encoding and
 Secret Key Generation. 1-6
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 Outage Constrained Robust SWIPT Beamforming for Secure MIMO
 Broadcasting. 1-6
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 On Covert Communication with Interference Uncertainty. 1-6
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 Covert Communications with a Full-Duplex Receiver over Wireless Fading

 Channels. 1-6
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 Towards Enhanced Security for Two-Way Untrusted Relaying Systems: A
 Constellation Overlapping Scheme. 1-7
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 Message-Prioritization Based Unequal Secrecy Protection for Untrusted

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 Eavesdropping. 1-6
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 Secrecy Rates of Relay-Assisted Massive MIMO Downlink with Hybrid

 Precoding. 1-7
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 Noise against Eavesdropping. 1-6
- Unit Provided P

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 Delay-Awareness. 1-7
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 Adaptive Video Streaming, Multipath and Caching: Can Less Be More? 1-6
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 Deadline-Guaranteed Point-to-Multipoint Bulk Transfers in InterDatacenter Networks. 1-6
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 Mastorakis, Jordi Mongay Batalla, Houbing Song, John N. Sahalos, Evangelos
 Pallis:
 Elasticity Debt Analytics Exploitation for Green Mobile Cloud Computing:
 An Equilibrium Model. 1-6
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 Network Tomography Using Routing Probability for Virtualized Network. 17
- Feng Li, Xiaoxiao Jiang, Jae Won Chung, Mark Claypool:
 Who is the King of the Hill? Traffic Analysis over a 4G Network. 1-6
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 SDN-VSA: Modeling and Analysis of SDN Control Applications Using Vector
 Spaces. 1-6
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 Uncoded Caching and Cross-Level Coded Delivery for Non-Uniform File
 Popularity. 1-6
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 Control. 1-7
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 Trapping Set Analysis of Horizontal Layered Decoder. 1-6
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 1-7
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 1-6
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 Optimizing Carpool Scheduling Algorithm through Partition Merging. 1-6
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▼

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 Real-Time Relative Lane and Position Identification of Surrounding
 Vehicles Using GPS and DSRC Based Vehicle-to-Vehicle Communication. 1-7
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 1-6
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 1-6
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 1-6
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 Networks. 1-6
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 1-6

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 Belief Propagation. 1-6
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 Fogbed: A Rapid-Prototyping Emulation Environment for Fog Computing. 17
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 The Data Interplay for the Fog of Things: A Transition to Edge Computing with IoT. 1-7
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 Local or Global Radio Channel Blacklisting for IEEE 802.15.4-TSCH

 Networks? 1-6
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 1-7
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 A Novel Bayesian Filtering Based Algorithm for RSSI-Based Indoor

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 Strengthening the Blockchain-Based Internet of Value with Trust. 1-7

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 Resource Allocation in TDRSS. 1-6
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 Networks. 1-6
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 Outage Analysis of a MIMO-Based Smart Gateway Architecture. 1-6

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System Evaluation for Millimeter-Wave Radio Access Network. 1-6



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