|  |  |  |
| --- | --- | --- |
| **S.NO** | **IMAGE PROCESSING** | **DOWNLOAD LINK CLICK** |
| TVIM01 | A Benchmark for Edge-Preserving Image Smoothing | [PDF/DOC](https://drive.google.com/file/d/1DOYAOw5Eb5SWajaBWLSiTF4-DyeNkVQ-/view?usp=sharing) |
| TVIM02 | A Blind Stereoscopic Image Quality Evaluator With Segmented Stacked AutoencodersConsidering the Whole Visual Perception Route | [PDF/DOC](https://drive.google.com/file/d/18kiaC8oa1lH2EPTADmbi9lv7FWuw738a/view?usp=sharing) |
| TVIM03 | A Cartoon-Texture Approach for JPEG JPEG 2000 Decompression Based on TGV and ShearletTransform | [PDF/DOC](https://drive.google.com/file/d/15NYn1sefLkPwV5hsCAlde1xFVpxMlsfl/view?usp=sharing) |
| TVIM04 | A Continuous Random Walk Model With Explicit Coherence Regularization for ImageSegmentation | [PDF/DOC](https://drive.google.com/file/d/1ZvIyqDAnXIebhjzXl9id0nOg3_jX3YvZ/view?usp=sharing) |
| TVIM05 | A Convergent Image Fusion Algorithm Using Scene-Adapted Gaussian-Mixture-BasedDenoising | [PDF/DOC](https://drive.google.com/file/d/1lbiQ5T-U23OEeJRpdgkEtfrg54hhZfjI/view?usp=sharing) |
| TVIM06 | A Convex Optimization Framework for Video | [PDF/DOC](https://drive.google.com/file/d/1_h1g65iEZwELdbFuPvGW8FGBt7wwA7ty/view?usp=sharing) |
|  | Quality and Resolution Enhancement FromMultiple Descriptions |  |
| TVIM07 | A Dynamic-Shape-Prior Guided Snake ModelWith Application in Visually Tracking Dense Cell Populations | [PDF/DOC](https://drive.google.com/file/d/1I6KR5dxeqfNchFaUNIfkuXjZd00y7xVB/view?usp=sharing) |
| TVIM08 | A Fast Image Dehazing Algorithm UsingMorphological Reconstruction | [PDF/DOC](https://drive.google.com/file/d/1JwqkeuAACObZn9wmFcDqI1MhT-ThX5CD/view?usp=sharing) |
| TVIM09 | A Local Metric for Defocus Blur Detection Basedon CNN Feature Learning | [PDF/DOC](https://drive.google.com/file/d/1ydto6TQW2YMG1RWtOOg37Wo9ST8fUkyH/view?usp=sharing) |
| TVIM10 | A Maximum Likelihood Approach for DepthField Estimation Based on Epipolar Plane Images | [PDF/DOC](https://drive.google.com/file/d/1SNFLLxl1NQJ7Ulz4AAffMbcGVDercH2Z/view?usp=sharing) |
| TVIM11 | A New Multi-Atlas Registration Framework forMultimodal Pathological Images Using Conventional Monomodal Normal Atlases | [PDF/DOC](https://drive.google.com/file/d/1MIgkI4FHdzslPLzbp5DR98wWNkF274ce/view?usp=sharing) |
| TVIM12 | A Non-Local Dual-Domain Approach to Cartoon and Texture Decomposition | [PDF/DOC](https://drive.google.com/file/d/124DxAgBHxV9bcEcS6b8ZDW3N3wKcvXrV/view?usp=sharing) |
| TVIM13 | A Novel Scheme Based on the Diffusion to Edge Detection | [PDF/DOC](https://drive.google.com/file/d/1eWXPDSKWejwx10XtIqklrsYqTA_jS5rb/view?usp=sharing) |
| TVIM14 | A Perceptual Distinguishability Predictor ForJND-Noise-Contaminated Images | [PDF/DOC](https://drive.google.com/file/d/1cV0P50DKzhAkqJxHl87NpOZZfxiklJ8R/view?usp=sharing) |
| TVIM15 | A Robust Group-Sparse Representation Variational Method With Applications to Face Recognition | [PDF/DOC](https://drive.google.com/file/d/1IKeIbiueN8FI9Vrcm5oymU0kKC-2n1K9/view?usp=sharing) |
| TVIM16 | Accelerating GMM-Based Patch Priors for Image Restoration Three Ingredients for a 100× Speed-Up | [PDF/DOC](https://drive.google.com/file/d/1c5o3BstPC7u5m3pm_5ofLb_3w8K2aoK1/view?usp=sharing) |
| TVIM17 | Action-Stage Emphasized Spatiotemporal VLADfor Video Action Recognition | [PDF/DOC](https://drive.google.com/file/d/1PVZWwS3Txjx7wOv8j7_JJ-mi_mIFi2mI/view?usp=sharing) |
| TVIM18 | Advanced Spherical Motion Model and LocalPadding for 360° Video Compression | [PDF/DOC](https://drive.google.com/file/d/1lKrqciq3djnYWaMY3RiZN8FJ453cDsi7/view?usp=sharing) |
| TVIM19 | AIPNet Image-to-Image Single Image DehazingWith Atmospheric Illumination Prior | [PDF/DOC](https://drive.google.com/file/d/1-tJJWV7R4erMaRXXhxnhg8kXGeAnKzDW/view?usp=sharing) |
| TVIM20 | Anchor Cascade for Efficient Face Detection | [PDF/DOC](https://drive.google.com/file/d/1V6sa1y9hhyYQY3pQxHpUSHfDDHbon4ZL/view?usp=sharing) |
| TVIM21 | Automated Method for Retinal Artery Vein Separation via Graph Search MetaheuristicApproach | [PDF/DOC](https://drive.google.com/file/d/1aRYy1y2n8wdQRfvaGjVDcOo0blEP7oxo/view?usp=sharing) |
| TVIM22 | Automatic Land Cover Reconstruction From Historical Aerial Images An Evaluation ofFeatures Extraction and Classification Algorithms | [PDF/DOC](https://drive.google.com/file/d/1zZ806Bv_yHXvK9G69gHuuNxUANGf4IDV/view?usp=sharing) |
| TVIM23 | Bayesian Polytrees With Learned Deep Featuresfor Multi-Class Cell Segmentation | [PDF/DOC](https://drive.google.com/file/d/1sElxZrTxxZlEK7jfXoFHo0-ooGx71tBb/view?usp=sharing) |
| TVIM24 | Benchmarking Single-Image Dehazing and Beyond | [PDF/DOC](https://drive.google.com/file/d/1Yp3fYZLVjafupINrV8a1AySvA4aYAJop/view?usp=sharing) |
| TVIM25 | Blind Deblurring of Natural Stochastic TexturesUsing an Anisotropic Fractal Model and Phase Retrieval Algorithm | [PDF/DOC](https://drive.google.com/file/d/1os4JK9JhnFcJOxuNT38dhP0EPgpuf4OT/view?usp=sharing) |
| TVIM26 | Class Agnostic Image Common Object Detection | [PDF/DOC](https://drive.google.com/file/d/13YzKExuGod-2gNc4sm46rzm0aeGhVtpi/view?usp=sharing) |
| TVIM27 | CNN Fixations An Unraveling Approach toVisualize the Discriminative Image Regions | [PDF/DOC](https://drive.google.com/file/d/1VGmuGJ8F2oOA8zbV9MgZMrUxR704SLA_/view?usp=sharing) |
| TVIM28 | Combining Local and Global Measures for DIBR-Synthesized Image Quality Evaluation | [PDF/DOC](https://drive.google.com/file/d/1VuV4QbbEk5Ktza2z8slITQVr6nC3x2kI/view?usp=sharing) |
| TVIM29 | Content-Aware Enhancement of Images WithFilamentous Structures | [PDF/DOC](https://drive.google.com/file/d/1qGyn77jq_JetqFdn-at4a7rxUHJBVzKj/view?usp=sharing) |
| TVIM30 | Contrast in Haze Removal Configurable ContrastEnhancement Model Based on Dark Channel Prior | [PDF/DOC](https://drive.google.com/file/d/1Zz0gi_EbA7bWUCdFTSf3EX2dyZ82nQup/view?usp=sharing) |
| TVIM31 | Corrupted Reference Image Quality Assessmentof Denoised Images | [PDF/DOC](https://drive.google.com/file/d/1QF0uuQpaaT2Kr6hxakXwTlaaYY5tfERu/view?usp=sharing) |
| TVIM32 | Cross-Scale Predictive Dictionaries | [PDF/DOC](https://drive.google.com/file/d/1-xLd42QzzSOMUieiQQ4avG_ARCrYgy8-/view?usp=sharing) |
| TVIM33 | D3R-Net Dynamic Routing Residue Recurrent Network for Video Rain Removal | [PDF/DOC](https://drive.google.com/file/d/1v18ySgQcWZpCyP6o8okzal8GvBqYlImV/view?usp=sharing) |
| TVIM34 | DCSR Dilated Convolutions for Single ImageSuper-Resolution | [PDF/DOC](https://drive.google.com/file/d/10ncL6k-QsIuVDAls-ax_9HNdyrWIqqoV/view?usp=sharing) |
| TVIM35 | Deep Color Guided Coarse-to-Fine Convolutional Network Cascade for DepthImageSuper-Resolution | [PDF/DOC](https://drive.google.com/file/d/1zR5aq5SdZ4bSVEjZw00pGioAepxLiE71/view?usp=sharing) |
| TVIM36 | Deep Crisp Boundaries From Boundaries toHigher-Level Tasks | [PDF/DOC](https://drive.google.com/file/d/1MXX3GBrPUJR5TV40w9vEU-tFWZHJ3VGd/view?usp=sharing) |
| TVIM37 | Deep Learning From Noisy Image Labels WithQuality Embedding | [PDF/DOC](https://drive.google.com/file/d/19z0SniPv3jrf5i_t5TPcHUL1pXwzrLll/view?usp=sharing) |
| TVIM38 | Deep Reconstruction of Least Significant Bits forBit-Depth Expansion | [PDF/DOC](https://drive.google.com/file/d/1bB73jbdtRVPvMKkI8QvzvxzEI84ZlGw7/view?usp=sharing) |
| TVIM39 | Deep Representation Learning With Part Loss forPerson Re-Identification | [PDF/DOC](https://drive.google.com/file/d/1CmHheEUewLh0S3B_V98u9Fshbjdgx-sT/view?usp=sharing) |
| TVIM40 | Deep Visual Saliency on Stereoscopic Images | [PDF/DOC](https://drive.google.com/file/d/1g6CWQycNBhvzHIYOL4aNo7MeRRWvL8pK/view?usp=sharing) |
| TVIM41 | DeepCrack Learning Hierarchical Convolutional Features for Crack Detection | [PDF/DOC](https://drive.google.com/file/d/1DKhBz28RvPa_tgyGNfolGNsgzEy-Yv8F/view?usp=sharing) |
| TVIM42 | Deformable Object Tracking with Gated Fusion | [PDF/DOC](https://drive.google.com/file/d/1hXj8RoU-I9SrOqXVUYO6f-50WHAjpbkH/view?usp=sharing) |
| TVIM43 | DenseFuse A Fusion Approach to Infrared and Visible Images | [PDF/DOC](https://drive.google.com/file/d/1m9ms-2_jRFu3A2DusChUwyIpi6_i3KzF/view?usp=sharing) |
| TVIM44 | Depth Restoration From RGB-D Data via JointAdaptive Regularization and Thresholding on Manifolds | [PDF/DOC](https://drive.google.com/file/d/1NSDL2RwmcWHrHH4Mda1sd5a_A80upvdW/view?usp=sharing) |
| TVIM45 | Depth Super-Resolution via Joint Color-GuidedInternal and External Regularizations | [PDF/DOC](https://drive.google.com/file/d/1BgyCh-3iT2rVHwRABM_DilIv7ACx3ahu/view?usp=sharing) |
| TVIM46 | Detecting and Mapping Video Impairments | [PDF/DOC](https://drive.google.com/file/d/1RWUlTPvy2lzNAFOLGR4OE2R4lcTsOofV/view?usp=sharing) |
| TVIM47 | Divide and Count Generic Object Counting byImage Divisions | [PDF/DOC](https://drive.google.com/file/d/1WbtC_BOYgX2W-G0We_l-YUiKndyenZrS/view?usp=sharing) |
| TVIM48 | Dual-transfer Face Sketch-Photo Synthesis | [PDF/DOC](https://drive.google.com/file/d/1hGR3QTVVgJX09j-5napt8eZK_Tz9L7s0/view?usp=sharing) |
| TVIM49 | Enhanced Non-Local Total Variation Model and Multi-Directional Feature Prediction Prior forSingle Image Super Resolution | [PDF/DOC](https://drive.google.com/file/d/107zjwUwk2tOHoPWwzt6ZeKV1gGZQvdl2/view?usp=sharing) |
| TVIM50 | Face Frontalization Using an Appearance-Flow-Based Convolutional Neural Network | [PDF/DOC](https://drive.google.com/file/d/137kUw-wjh2mgLs86AIs1p0rBJSFiHThF/view?usp=sharing) |
| TVIM51 | Fast Adaptive Bilateral Filtering | [PDF/DOC](https://drive.google.com/file/d/1UZZlEP2IwLHnHGAGE8nESLXq5sv7XFFO/view?usp=sharing) |
| TVIM52 | Gated-GAN Adversarial Gated Networks for | [PDF/DOC](https://drive.google.com/file/d/1jPMlAe8Yf60nZPw0zQib2aGvDtF8wgbi/view?usp=sharing) |
|  | Multi-Collection Style Transfer |  |
| TVIM53 | Generalized Bayesian Model Selection forSpeckle on Remote Sensing Images | [PDF/DOC](https://drive.google.com/file/d/1h7xISBpU2-ymOe9Ca-9t834jQrGtipO1/view?usp=sharing) |
| TVIM54 | Fast High-Dimensional Bilateral and NonlocalMeans Filtering | [PDF/DOC](https://drive.google.com/file/d/1vDXz-Axb0IUGaGNh1B9dU4-Ge8_pZZeY/view?usp=sharing) |
| TVIM55 | FastDeRain A Novel Video Rain Streak Removal Method Using Directional Gradient Priors | [PDF/DOC](https://drive.google.com/file/d/1rvEwsnEXGJPs3oitw0DqPUCcw1zlwsIq/view?usp=sharing) |
| TVIM56 | Focal Boundary Guided Salient Object Detection | [PDF/DOC](https://drive.google.com/file/d/18EvbezJ-HLZhgHu9UkJqwxyTD2yb2MHA/view?usp=sharing) |
| TVIM57 | Fundamental Visual Concept Learning From Correlated Images and Text | [PDF/DOC](https://drive.google.com/file/d/1SSobdDpK-KApaKWcRNrmZ3ySzowqi8SE/view?usp=sharing) |
| TVIM58 | Graph-Based Blind Image Deblurring From aSingle Photograph | [PDF/DOC](https://drive.google.com/file/d/1UOQdmpDVenzSBeaclrpm2ZSWlBSaUOgd/view?usp=sharing) |
| TVIM59 | Graph-based Joint Dequantization and Contrast Enhancement of Poorly Lit JPEG Images | [PDF/DOC](https://drive.google.com/file/d/1mGPn0QlZokC5JkZxJ-e3LaAUbzGd2ve8/view?usp=sharing) |
| TVIM60 | Graph-Regularized Locality-Constrained JointDictionary and Residual Learning for Face Sketch Synthesis | [PDF/DOC](https://drive.google.com/file/d/1fIk44P2TVVnpt0d1mkR4eVN8tsgLv7MO/view?usp=sharing) |
| TVIM61 | Hierarchical Features Driven Residual Learningfor Depth Map Super-Resolution | [PDF/DOC](https://drive.google.com/file/d/1F_1z3rFKRMJpLcHgC1kc9HY1lloknyjI/view?usp=sharing) |
| TVIM62 | Hierarchical Tracking by Reinforcement Learning-Based Searching and Coarse-to-FineVerifying | [PDF/DOC](https://drive.google.com/file/d/15NNa-AMbzmqPcVfdt4Tq89jOTwxVQmhE/view?usp=sharing) |
| TVIM63 | High Quality Bayesian Pansharpening | [PDF/DOC](https://drive.google.com/file/d/15pQTJziCPHqopNQgX3pPx5dnYLAlpKhn/view?usp=sharing) |
| TVIM64 | High-quality Image Restoration Using Low-RankPatch Regularization and Global Structure Sparsity | [PDF/DOC](https://drive.google.com/file/d/1Z45Wc8xiOuK-m6NUBJWeH0F_tGk-CrQ0/view?usp=sharing) |
| TVIM65 | Hybrid LSTM and Encoder–Decoder Architecture for Detection of Image Forgeries | [PDF/DOC](https://drive.google.com/file/d/1AoHuGXEsfr6fpQDuZkA9JHpZeKc6tcR8/view?usp=sharing) |
| TVIM66 | Hyperspectral Imagery Classification viaStochastic HHSVMs | [PDF/DOC](https://drive.google.com/file/d/1Yw6EhSzldOlMZ8gOMyFsisDz80Aj9Tct/view?usp=sharing) |
| TVIM67 | Image Co-Saliency Detection and Co- Segmentation via Progressive Joint Optimization | [PDF/DOC](https://drive.google.com/file/d/14pi23FCHkNGSV16D7R4vNGW8EBAUjEvt/view?usp=sharing) |
| TVIM68 | Image Enhancement With PDEs andNonconservative Advection Flow Fields | [PDF/DOC](https://drive.google.com/file/d/1RwbFqk_fq7XD48yqfcnX8KTg6I7OzS_F/view?usp=sharing) |
| TVIM69 | Improved ArtGAN for Conditional Synthesis ofNatural Image and Artwork | [PDF/DOC](https://drive.google.com/file/d/16YJNJaUxw6PGK0baSPID_TYk-8T45fJs/view?usp=sharing) |
| TVIM70 | Improving the Visual Quality of Size-InvariantVisual Cryptography for Grayscale Images An Analysis-by-Synthesis (AbS) Approach | [PDF/DOC](https://drive.google.com/file/d/1pkV5W7_7p0XbJmXxtjkLpVzDLeEnEI6f/view?usp=sharing) |
| TVIM71 | Learning Converged Propagations With Deep Prior Ensemble for Image Enhancement | [PDF/DOC](https://drive.google.com/file/d/1Ucg6b7UPC-sISy9dUHawmZlSwKxgjDGQ/view?usp=sharing) |
| TVIM72 | Light Field Spatial Super-Resolution Using DeepEfficient Spatial-Angular Separable Convolution | [PDF/DOC](https://drive.google.com/file/d/1_1b8I33iQ8_IbXHLcL5Fc8KEdDq1DRST/view?usp=sharing) |
| TVIM73 | Local Kernels That Approximate BayesianRegularization and Proximal Operators | [PDF/DOC](https://drive.google.com/file/d/1NDrC7v3_kcf1OBxtUy9rb-H_CS_2Miog/view?usp=sharing) |
| TVIM74 | Low-Resolution Face Recognition in the Wild viaSelective Knowledge Distillation | [PDF/DOC](https://drive.google.com/file/d/1VAEFnI-DyNMMUPhwW5o6dfgD_nwOXqZs/view?usp=sharing) |
| TVIM75 | Matrix Completion Based on Non-Convex Low-Rank Approximation | [PDF/DOC](https://drive.google.com/file/d/1xW9a7cAVoI83q6x7t_hGWA3GPLWw5nnO/view?usp=sharing) |
| TVIM76 | Moving Object Detection in Complex Scene Using Spatiotemporal Structured-Sparse RPCA | [PDF/DOC](https://drive.google.com/file/d/1uOeVQUx5tZvMfPRJcgCgVrmiCd-5i5ex/view?usp=sharing) |
| TVIM77 | Moving Object Detection in Video via Hierarchical Modeling and AlternatingOptimization | [PDF/DOC](https://drive.google.com/file/d/1E8ynI2hhEbXWi9oHZqVh87uy2xekIj9O/view?usp=sharing) |
| TVIM78 | MSFD Multi-Scale Segmentation-Based Feature Detection for Wide-Baseline Scene Reconstruction | [PDF/DOC](https://drive.google.com/file/d/17MZVUyVDoNLRnpMkczxhFA52YHb_fGzF/view?usp=sharing) |
| TVIM79 | Multi-Grid Phase Field Skin TumorSegmentation in 3D Ultrasound Images | [PDF/DOC](https://drive.google.com/file/d/1jKloVr0wBXQrlJnQvC8KZGaBBxbO8yQF/view?usp=sharing) |
| TVIM80 | Mutual Component Convolutional Neural Networks for Heterogeneous Face Recognition | [PDF/DOC](https://drive.google.com/file/d/1XhHIjJknQkwqo3f--UoaSh0aaX9XP6bI/view?usp=sharing) |
| TVIM81 | Nonconvex-Sparsity and Nonlocal-Smoothness-Based Blind HyperspectralUnmixing | [PDF/DOC](https://drive.google.com/file/d/1ahRGCjB015MjJE87hlvHe-AsiUefgXeG/view?usp=sharing) |
| TVIM82 | Nonlocal Patch Tensor Sparse Representation forHyperspectral Image Super-Resolution | [PDF/DOC](https://drive.google.com/file/d/1XdUuHD5khgn3GrN9rVeSrU6PF-1Bf1Xk/view?usp=sharing) |
| TVIM83 | Occlusion Aware Facial Expression RecognitionUsing CNN With Attention Mechanism | [PDF/DOC](https://drive.google.com/file/d/1V2A6VVLYgo8Bg22OLnUCSzR7bEzNd79U/view?usp=sharing) |
| TVIM84 | On-Device Scalable Image-Based Localization via | [PDF/DOC](https://drive.google.com/file/d/1SThqsFQeNJnS8JboYN1x8VnXZPl8SHcu/view?usp=sharing) |
|  | Prioritized Cascade Search and Fast One-ManyRANSAC |  |
| TVIM85 | One-View Occlusion Detection for Stereo Matching With a Fully Connected CRF Model | [PDF/DOC](https://drive.google.com/file/d/1eDuCMIm-08Q6u61PhQjeQ_POZz_l3tQT/view?usp=sharing) |
| TVIM86 | Online Subspace Learning from GradientOrientations for Robust Image Alignment | [PDF/DOC](https://drive.google.com/file/d/1l0A81MJQs8EGrilYp06FBJ1JucZpx5eE/view?usp=sharing) |
| TVIM87 | Parallel Attentive Correlation Tracking | [PDF/DOC](https://drive.google.com/file/d/1xkYlGJlJ8rSvVwa51nwzLrUCCT4ySbJh/view?usp=sharing) |
| TVIM88 | Predicting Detection Performance on Security X-Ray Images as a Function of Image Quality | [PDF/DOC](https://drive.google.com/file/d/19g6MzLTommP-3NlNxJTWMIaZA7w_2I3L/view?usp=sharing) |
| TVIM89 | Rectification Using Different Types of CamerasAttached to a Vehicle | [PDF/DOC](https://drive.google.com/file/d/1U1kr2Hn-SF3REfAROYtaWWFSGtVqYNks/view?usp=sharing) |
| TVIM90 | Relative CNN-RNN Learning RelativeAtmospheric Visibility From Images | [PDF/DOC](https://drive.google.com/file/d/1VDyJIIyYDskMd0s2aRIEQ1FZ8WsH5X99/view?usp=sharing) |
| TVIM91 | RGB-D Saliency Detection With Pseudo Depth | [PDF/DOC](https://drive.google.com/file/d/1JgfcjReaw5U_Bw60lHdiQAuRpUkIq_M5/view?usp=sharing) |
| TVIM92 | Robust Semantic Template Matching Using a Superpixel Region Binary Descriptor | [PDF/DOC](https://drive.google.com/file/d/1-8HMhyMbEwA9AZN4nhfLi3rMaVIheQE1/view?usp=sharing) |
| TVIM93 | Salient Object Detection With Lossless FeatureReflection and Weighted Structural Loss | [PDF/DOC](https://drive.google.com/file/d/1Z3lLLDwC8SHJz2UAmxIInQYfCR27oOPR/view?usp=sharing) |
| TVIM94 | Scale-Free Single Image Deraining Via Visibility-Enhanced Recurrent Wavelet Learning | [PDF/DOC](https://drive.google.com/file/d/1iI6blNNiZOHrXs4SBU0qpnSl85wc0zku/view?usp=sharing) |
| TVIM95 | Semantic Prior Analysis for Salient Object Detection | [PDF/DOC](https://drive.google.com/file/d/1VRqVRyrg92TgkwyK4j6qi3ee3-2kQInD/view?usp=sharing) |
| TVIM96 | Single Image Defogging Based on Illumination Decomposition for Visual Maritime Surveillance | [PDF/DOC](https://drive.google.com/file/d/1-4S9HHNYVL1QMGQAxHtWCDMnclSr1FPA/view?usp=sharing) |
| TVIM97 | Single Image Reflection Removal UsingConvolutional Neural Networks | [PDF/DOC](https://drive.google.com/file/d/1YZ91QZjPPmC7PRuuGpiLTd5ionRB28js/view?usp=sharing) |
| TVIM98 | Statistical Nearest Neighbors for Image Denoising | [PDF/DOC](https://drive.google.com/file/d/165F-hsGclYmZcAI95HhmsrQcC2s3UiG5/view?usp=sharing) |
| TVIM99 | Structure-Texture Image Decomposition UsingDeep Variational Priors | [PDF/DOC](https://drive.google.com/file/d/1Tgzz8DSI5pU5MzTl8III9BSaVBnboBr2/view?usp=sharing) |
| TVIM100 | Supplemental material to Image enhancementwith PDEs and nonconservative advection flow fields | [PDF/DOC](https://drive.google.com/file/d/18o5YlO3wDVt90VT7_RzIrRDjH0efFxja/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| **S.NO** | **WIRELESS COMMUNICATION** | **DOWNLOAD LINK CLICK** |
| TVWC01 | 3D Trajectory Optimization in Rician Fading forUAV-Enabled Data Harvesting | [PDF/DOC](https://drive.google.com/file/d/1jtvN9AbxBjTD9YzE1xnRtWZiIkI8_-ki/view?usp=sharing) |
| TVWC02 | A High-Diversity Transceiver Design for MISOBroadcast Channels | [PDF/DOC](https://drive.google.com/file/d/1W2XzC_XBb-trlXYfidVLM_JfvmVU94r2/view?usp=sharing) |
| TVWC03 | A Non-Stationary Online Learning Approach to | [PDF/DOC](https://drive.google.com/file/d/16ivsREqSy7qC1jhjlW7tOmTdTw9GNEuJ/view?usp=sharing) |
|  | Mobility Management |  |
| TVWC04 | A Probabilistic HARQ Protocol for Demodulate-and-Forward Relaying Networks | [PDF/DOC](https://drive.google.com/file/d/1WsjP86lidp20R930s0HuuVHTVTQ2TJD-/view?usp=sharing) |
| TVWC05 | A Stackelberg Game Approach Toward Socially- Aware Incentive Mechanisms for MobileCrowdsensing | [PDF/DOC](https://drive.google.com/file/d/1WsjP86lidp20R930s0HuuVHTVTQ2TJD-/view?usp=sharing) |
| TVWC06 | A Transceiver Design for Spectrum Sharing inMixed Numerology Environments | [PDF/DOC](https://drive.google.com/file/d/1KfrxL9kHAvqWqCwQP7TZbeDNcrxlwx1I/view?usp=sharing) |
| TVWC07 | A Truthful Mechanism for Scheduling Delay-Constrained Wireless Transmissions in IoT-Based Healthcare Networks | [PDF/DOC](https://drive.google.com/file/d/15DmLDBqwaSV3SibZV0WzkLWwQNfJflTm/view?usp=sharing) |
| TVWC08 | A Unified QoS and Security ProvisioningFramework for Wiretap Cognitive Radio Networks A Statistical Queueing Analysis Approach | [PDF/DOC](https://drive.google.com/file/d/1MTgns3D5sspwvZV7Jifvhu2vPNgVGTTR/view?usp=sharing) |
| TVWC09 | A Wireless Optical Backhaul Solution for OpticalAttocell Networks | [PDF/DOC](https://drive.google.com/file/d/1RbGjCvdbhKEyLV47E3K7dyaG1q3VROo-/view?usp=sharing) |
| TVWC10 | Achievable Data Rate of DCT-Based MulticarrierModulation Systems | [PDF/DOC](https://drive.google.com/file/d/1eg7svPjAmeXCYyNfmQhmilHWkZj2L6GF/view?usp=sharing) |
| TVWC11 | Achievable Rates of Multi-Carrier ModulationSchemes for Bandlimited IMDD Systems | [PDF/DOC](https://drive.google.com/file/d/1z6M3vm5xyTe4BzvzVd0asRyZAr_CWqC2/view?usp=sharing) |
| TVWC12 | Active Two-Way Backscatter Modulation AnAnalytical Study | [PDF/DOC](https://drive.google.com/file/d/1K9zElPTqDcEtS5tYO8cwOEpDR0flyk9Q/view?usp=sharing) |
| TVWC13 | Activity Detection for Massive Connectivity Under Frequency Offsets via First-OrderAlgorithms | [PDF/DOC](https://drive.google.com/file/d/1YXcpfT6e1YbF7Xw-e86ChWwFGVFe1n2z/view?usp=sharing) |
| TVWC14 | Adaptive Distributed Association in Time-Variant Millimeter Wave Networks | [PDF/DOC](https://drive.google.com/file/d/1lVdSAjE9RHBgPms7W311zLz33SJZaYza/view?usp=sharing) |
| TVWC15 | Adaptive Transmission in Cellular Networks Fixed-Rate Codes With Power Control VersusPhysical Layer Rateless Codes | [PDF/DOC](https://drive.google.com/file/d/1pliF0pNlamt-MQf2Y1Q7bHwoNPsoOCOA/view?usp=sharing) |
| TVWC16 | Alamouti Coding for DFT Spreading-Based LowPAPR FBMC | [PDF/DOC](https://drive.google.com/file/d/1lvBfRzjVQFF9yP5QQn_tla1EFxXfipNx/view?usp=sharing) |
| TVWC17 | Ambient Backscatter Communication SystemsWith MFSK Modulation | [PDF/DOC](https://drive.google.com/file/d/1nPmVyWJbqwav7W4e1sX75r1dsEW0CQRJ/view?usp=sharing) |
| TVWC18 | An Analysis of Two-User Uplink Asynchronous | [PDF/DOC](https://drive.google.com/file/d/18cNbaKwKcdNlkjU4SAhp8wyeRv46S3MJ/view?usp=sharing) |
|  | Non-orthogonal Multiple Access Systems |  |
| TVWC19 | An Energy Saving Small Cell SleepingMechanism With Cell Range Expansion in Heterogeneous Networks | [PDF/DOC](https://drive.google.com/file/d/1YZiFKFx1XofTQyaTcbD5hh6kgeMYgWKs/view?usp=sharing) |
| TVWC20 | An Online Optimization Framework for Distributed Fog Network Formation With MinimalLatency | [PDF/DOC](https://drive.google.com/file/d/1tSCMRzVYHQDrGWD0rf99xnx0sVXKbMKb/view?usp=sharing) |
| TVWC21 | Analog MIMO Radio-Over-Copper Downlink With Space-Frequency to Space-Frequency Multiplexing for Multi-User 5G IndoorDeployments | [PDF/DOC](https://drive.google.com/file/d/1p3nAXTDe9Sl30XRm9T880XK-GAq08aP1/view?usp=sharing) |
| TVWC22 | Angle-Domain Approach for Parameter Estimationin High-Mobility OFDM With FullyPartly Calibrated Massive ULA | [PDF/DOC](https://drive.google.com/file/d/1lTWIWNludBIOjq937I2GjQIGloiYyAK7/view?usp=sharing) |
| TVWC23 | Asymmetric Modulation for Hardware Impaired Systems—Error Probability Analysis and ReceiverDesign | [PDF/DOC](https://drive.google.com/file/d/14RJZLMpznoUUsituZ5USypEogdU8v_V_/view?usp=sharing) |
| TVWC24 | Asymptotic Analysis of RZF Over DoubleScattering Channels With MMSE Estimation | [PDF/DOC](https://drive.google.com/file/d/1sVMGsz2awp_5jmBRLf8koPM7lQpyHEWo/view?usp=sharing) |
| TVWC25 | Asymptotic Performance Analysis of GSVD-NOMA Systems With a Large-Scale Antenna Array | [PDF/DOC](https://drive.google.com/file/d/1ozN4u4B6MJ8KMBjj26DzvjocERlVnYBi/view?usp=sharing) |
| TVWC26 | Asymptotically Optimal Resource BlockAllocation With Limited Feedback | [PDF/DOC](https://drive.google.com/file/d/13WTAZaoTdpYtmfoTbdJw62PuoYrxvTh6/view?usp=sharing) |
| TVWC27 | Auction-Based Time Scheduling for Backscatter-Aided RF-Powered Cognitive Radio Networks | [PDF/DOC](https://drive.google.com/file/d/1XRVBRjU_agH0rn_bQVumaRfJ7aD49WYV/view?usp=sharing) |
| TVWC28 | Augmenting LoRaWAN Performance With ListenBefore Talk | [PDF/DOC](https://drive.google.com/file/d/14zKhryCGXsk5zEk29esXo9IVNZkZca1t/view?usp=sharing) |
| TVWC29 | Beam Training and Allocation for MultiuserMillimeter Wave Massive MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/18A99FP4Ak8_foHSIM0_JPbsH2q6rsRAx/view?usp=sharing) |
| TVWC30 | Beamforming Design and Power Allocation forSecure Transmission With NOMA | [PDF/DOC](https://drive.google.com/file/d/1yNEmA6Kdjx3fqiku88dGT-s9V5DhLavi/view?usp=sharing) |
| TVWC31 | Beyond 5G with UAVs Foundations of a 3DWireless Cellular Network | [PDF/DOC](https://drive.google.com/file/d/1Jw78K6NXaynilBCDofqQcrhFJHiWLTTK/view?usp=sharing) |
| TVWC32 | Blind Demixing for Low-Latency Communication | [PDF/DOC](https://drive.google.com/file/d/1LClTQtF9HnDGNnjCKnTBW2CoXEYTqfIv/view?usp=sharing) |
| TVWC33 | Capacity Bounds and Interference Management for Interference Channel in Visible LightCommunication Networks | [PDF/DOC](https://drive.google.com/file/d/1HLNAlVTEZIF0rNYYAH166urP6sAo37yn/view?usp=sharing) |
| TVWC34 | Capacity of Cellular Wireless Networks | [PDF/DOC](https://drive.google.com/file/d/1J_AvvNdpNlz-0WVsCSWEwhKxw1Tn2fYk/view?usp=sharing) |
| TVWC35 | Cellular UAV-to-X Communications Design andOptimization for Multi-UAV Networks | [PDF/DOC](https://drive.google.com/file/d/1X90AA6RxhE5yS-WKiVzfP0WSGtFMKnkY/view?usp=sharing) |
| TVWC36 | Characterizing the Impact of SNR Heterogeneity on Time-of-Arrival-Based Localization OutageProbability | [PDF/DOC](https://drive.google.com/file/d/1WLiFaHkIDqU59fJownVeMpA2s37opEwd/view?usp=sharing) |
| TVWC37 | Compensation of Phase Noise in Uplink MassiveMIMO OFDM Systems | [PDF/DOC](https://drive.google.com/file/d/1Ifp2MtKNg28tnn-oUY_8-mNz1FDDMTvG/view?usp=sharing) |
| TVWC38 | Constructive Interference Optimization for Data-Aided Precoding in Multi-User MISO Systems | [PDF/DOC](https://drive.google.com/file/d/1nA1zOh3TuZG3PEeBbvDmvEmYvD_nfP3z/view?usp=sharing) |
| TVWC39 | Cooperative Authentication in UnderwaterAcoustic Sensor Networks | [PDF/DOC](https://drive.google.com/file/d/1Tvdcv9ypU2Mo1P7g0XKAKQcNQdr8SM8l/view?usp=sharing) |
| TVWC40 | Coverage and Handoff Analysis of 5G FractalSmall Cell Networks | [PDF/DOC](https://drive.google.com/file/d/1Tvdcv9ypU2Mo1P7g0XKAKQcNQdr8SM8l/view?usp=sharing) |
| TVWC41 | CPLink Interference-Free Reuse of Cyclic-PrefixIntervals in OFDM-Based Networks | [PDF/DOC](https://drive.google.com/file/d/12b2z01EsgRcdW_Z1LC-71JkE101udM6v/view?usp=sharing) |
| TVWC42 | Cross-Technology Communications for Heterogeneous IoT Devices Through Artificial Doppler Shifts | [PDF/DOC](https://drive.google.com/file/d/1EC3usBLI1-JkNSopoDrCSfbSewVUUb9N/view?usp=sharing) |
| TVWC43 | D2D Communications Meet Mobile EdgeComputing for Enhanced Computation Capacity in Cellular Networks | [PDF/DOC](https://drive.google.com/file/d/1zGdkmGicXKWxxE-4JoWgAYXNE9EHkeSx/view?usp=sharing) |
| TVWC44 | Decentralized Coded Caching Without FileSplitting | [PDF/DOC](https://drive.google.com/file/d/1kDKbZHr7q0k9NRSCBCUUXvjc56BFN66X/view?usp=sharing) |
| TVWC45 | Deep Multi-User Reinforcement Learning forDistributed Dynamic Spectrum Access | [PDF/DOC](https://drive.google.com/file/d/1KZ_oU4ogpYTuxfvd2OuHctXwpwvd_G8U/view?usp=sharing) |
| TVWC46 | Deep Reinforcement Learning-Based Modulationand Coding Scheme Selection in Cognitive Heterogeneous Networks | [PDF/DOC](https://drive.google.com/file/d/1em6x008SPTBzCBZUjvXkk830AlMAgrCx/view?usp=sharing) |
| TVWC47 | Design and Implementation of Adaptive Multi-TapAnalog Interference Canceller | [PDF/DOC](https://drive.google.com/file/d/1XaNcNKMEQO6kIZZ44xWUaMl2NcsCojKT/view?usp=sharing) |
| TVWC48 | Distributed Processing for Multi-Relay Assisted | [PDF/DOC](https://drive.google.com/file/d/1qS4UDeUzQ_1-voO7UEzKFEcZYyI-dzSv/view?usp=sharing) |
|  | OFDM With Index Modulation |  |
| TVWC49 | Distributed Resource Allocation in Blockchain-Based Video Streaming Systems With Mobile Edge Computing | [PDF/DOC](https://drive.google.com/file/d/1ZdMq_X2F39h9CRUZNVugU0gQ_mRGLCO8/view?usp=sharing) |
| TVWC50 | Double Auction Mechanism Design for VideoCaching in Heterogeneous Ultra-Dense Networks | [PDF/DOC](https://drive.google.com/file/d/1YX0CO-J2uQ45LjJwphQdzNbRtpBRrK_B/view?usp=sharing) |
| TVWC51 | Downlink MU-MIMO With QoS AwareTransmission Precoder Design and Performance Analysis | [PDF/DOC](https://drive.google.com/file/d/1TK9SzTW5Eg8DAuWCwDTv3_g8HMRILGNL/view?usp=sharing) |
| TVWC52 | Downlink Resource Allocation for DynamicTDMA-Based VLC Systems | [PDF/DOC](https://drive.google.com/file/d/1IPITveGe3QWcY1cXOPS4nun97ia-4PZz/view?usp=sharing) |
| TVWC53 | Dual-Mode User-Centric Open-Loop CooperativeCaching for Backhaul-Limited Small-Cell Wireless Networks | [PDF/DOC](https://drive.google.com/file/d/1xcErfuusBCXjhQOy9MGWJ7gj1QdkRYaM/view?usp=sharing) |
| TVWC54 | Dynamic Transmission Policy for Multi-Pair Cooperative Device-to-Device CommunicationWith Block-DiagonalizationPrecoding | [PDF/DOC](https://drive.google.com/file/d/1n7EasyXP0xxVHMzrxnTu_e2UUVsTpj5-/view?usp=sharing) |
| TVWC55 | Efficient Downlink Channel Reconstruction for FDD Multi-Antenna Systems | [PDF/DOC](https://drive.google.com/file/d/13nw-rLchm1dSIjhFiOzMHG00WSq5xKD7/view?usp=sharing) |
| TVWC56 | Energy Minimization for Wireless Communicationwith Rotory Wing UAV | [PDF/DOC](https://drive.google.com/file/d/1xcUMc2LaUp5dqxe2_u4d7zeX7h2y48xM/view?usp=sharing) |
| TVWC57 | Energy-Efficient Interactive Beam Alignment forMillimeter-Wave Networks | [PDF/DOC](https://drive.google.com/file/d/14ovOL81z69FTazQki20cgVAunv8mO8SS/view?usp=sharing) |
| TVWC58 | Enhanced Multiuser Superposition TransmissionThrough Structured Modulation | [PDF/DOC](https://drive.google.com/file/d/1mIP3ACjc7mDtVIYq9rNixgmD7IELj2s-/view?usp=sharing) |
| TVWC59 | Estimation of Primary Channel Activity Statisticsin Cognitive Radio Based on Periodic Spectrum Sensing Observations | [PDF/DOC](https://drive.google.com/file/d/1NcX4HQT8WfdBtR2JGng1a0BtAOnAJmQ7/view?usp=sharing) |
| TVWC60 | Evaluating SIR in 3D Millimeter-Wave Deployments Direct Modeling and FeasibleApproximations | [PDF/DOC](https://drive.google.com/file/d/1GkWyRweeXF6w7K5NvWWlu0LhgKOrFJbS/view?usp=sharing) |
| TVWC61 | Expeditious Estimation of Angle-of-Arrival forHybrid Butler Matrix Arrays | [PDF/DOC](https://drive.google.com/file/d/16-1Ma3tTqzWxn5IDzH8zsmi6l4CD6BLo/view?usp=sharing) |
| TVWC62 | Experimental Evaluation of Techniques to Lower Spectrum Consumption in Wi-Red | [PDF/DOC](https://drive.google.com/file/d/10qCHYBVAeSYGd6pTJNsTXa0iF-Jigh49/view?usp=sharing) |
| TVWC63 | Exploiting Dispersive Power Gain and Delay | [PDF/DOC](https://drive.google.com/file/d/1mkNZlQ20npxRq_migXMgIEuXydm_dYdZ/view?usp=sharing) |
|  | Spread for Sybil Detection in Industrial WSNs AMulti-Kernel Approach |  |
| TVWC64 | Fast HARQ Over Finite Blocklength Codes A Technique for Low-Latency ReliableCommunication | [PDF/DOC](https://drive.google.com/file/d/1WcvlTYoc3LlPhic_-TU1ZNM2Q4deONdX/view?usp=sharing) |
| TVWC65 | FDD Massive MIMO via ULDL Channel Covariance Extrapolation and Active ChannelSparsification | [PDF/DOC](https://drive.google.com/file/d/1MGRx7YWYAjED-w_9yfZi1sEyn-jb7GNr/view?usp=sharing) |
| TVWC66 | Fog Massive MIMO A User-Centric SeamlessHot-Spot Architecture | [PDF/DOC](https://drive.google.com/file/d/1gU9zpuMAz8e-FAfKH3D9dEN9aqNGMTCV/view?usp=sharing) |
| TVWC67 | Gaussian Message Passing for OverloadedMassive MIMO-NOMA | [PDF/DOC](https://drive.google.com/file/d/1awCrVehZSfRO-ltSdEVM4jIgaO-CV9Hk/view?usp=sharing) |
| TVWC68 | Generalized Channel Estimation and User Detection for Massive Connectivity With Mixed-ADC Massive MIMO | [PDF/DOC](https://drive.google.com/file/d/1HtmDV7gowvD1kkxomTzIFpH1JzkapGKr/view?usp=sharing) |
| TVWC69 | Generalized Low-Rank Optimization forTopological Cooperation in Ultra-Dense Networks | [PDF/DOC](https://drive.google.com/file/d/1JfHANMekN4jSKA8CDkM-EBt3n9nXRj70/view?usp=sharing) |
| TVWC70 | Harnessing NLOS Components for Position and Orientation Estimation in 5G Millimeter Wave MIMO | [PDF/DOC](https://drive.google.com/file/d/1PoJxzUxAlnyrLFk3-pE8sFVNm5JpJRi3/view?usp=sharing) |
| TVWC71 | Heterogeneous Multi-Tier Networks ImproperSignaling for Joint Rate-Energy Optimization | [PDF/DOC](https://drive.google.com/file/d/1YHHRHO5x8inr6wUC_-uEiKulk0lQyHui/view?usp=sharing) |
| TVWC72 | High-Mobility Wideband Massive MIMO Communications Doppler Compensation, Analysisand Scaling Laws | [PDF/DOC](https://drive.google.com/file/d/1rwx5_p-tLOSJ0dyiduUQcDWH3LVtZAAj/view?usp=sharing) |
| TVWC73 | High-Resolution OFDM-Based Sensor Node Ranging Within In-Homogeneous Media ofHuman Body | [PDF/DOC](https://drive.google.com/file/d/1-an5xXglu2gLoAvVOVWD_slTIBBXyMOe/view?usp=sharing) |
| TVWC74 | Hybrid LISA for Wideband Multiuser Millimeter-Wave Communication Systems Under Beam Squint | [PDF/DOC](https://drive.google.com/file/d/1mgpEBv_4FsBNyKmdm89adKW3derUV3Gp/view?usp=sharing) |
| TVWC75 | Hybrid Precoder Design for Cache-EnabledMillimeter-Wave Radio Access Networks | [PDF/DOC](https://drive.google.com/file/d/1B9iKedLAMk6qb7ey8_a5mUVWUh5gVDSL/view?usp=sharing) |
| TVWC76 | Impact of Multiple Primaries and Partial CSI on Transmit Antenna Selection for Interference-Outage Constrained Underlay CR | [PDF/DOC](https://drive.google.com/file/d/17ByUdvL4AwD5Cmvcn3wM8LLAJoXpKfjt/view?usp=sharing) |
| TVWC77 | Impact of Small Cells Overlapping on MobilityManagement | [PDF/DOC](https://drive.google.com/file/d/1NiCR_f-k30bOsPibrtpek9NwcFWrUjqB/view?usp=sharing) |
| TVWC78 | Intelligent MU-MIMO User Selection WithDynamic Link Adaptation in IEEE 802.11ax | [PDF/DOC](https://drive.google.com/file/d/16SqnnCODUJHdAHMJeXmgsS5Wd9ZamrEy/view?usp=sharing) |
| TVWC79 | Interference Management for Cellular-ConnectedUAVs A Deep Reinforcement Learning Approach | [PDF/DOC](https://drive.google.com/file/d/1ik9UBpIQmBjEnNHpnBxF7kWd55QEgDRH/view?usp=sharing) |
| TVWC80 | IoT-U Cellular Internet-of-Things Networks OverUnlicensed Spectrum | [PDF/DOC](https://drive.google.com/file/d/1RMlcgh9P7IWEf2jTxSTqUG0qwDEW3GFG/view?usp=sharing) |
| TVWC81 | Joint Antenna Array Mode Selection and UserAssignment for Full-Duplex MU-MISO Systems | [PDF](https://drive.google.com/file/d/1-bfy3QxYauXMsnjvsEduiM1JdcRNJmMC/view?usp=sharing)/DOC |
| TVWC82 | Joint Blind Identification of the Number of Transmit Antennas and MIMO Schemes UsingGerschgorin Radii and FNN | [PDF/DOC](https://drive.google.com/file/d/1HiDLERRb0_roLRGlS57J2L0On4fg3auP/view?usp=sharing) |
| TVWC83 | Joint Channel Estimation and TxRx IQ ImbalanceCompensation for GFDM Systems | [PDF/DOC](https://drive.google.com/file/d/1AWR9JaoDvNsY_1c8xa7NFR_80On2VNTm/view?usp=sharing) |
| TVWC84 | Joint Interference Cancellation and Resource Allocation for Full-Duplex Cloud Radio AccessNetworks | [PDF/DOC](https://drive.google.com/file/d/1pzEubh1eMgWlpA9NlWY2Df3TBojgjG98/view?usp=sharing) |
| TVWC85 | Joint Minimization of Wired and Wireless Trafficfor Content Delivery by Multicast Pushing | [PDF/DOC](https://drive.google.com/file/d/1Qj1VoBVL2FlNBGR00QHwV9il4RQCLIIq/view?usp=sharing) |
| TVWC86 | Joint Mode Selection and Transceiver Design for Device-to-Device Communications UnderlayingMulti-User MIMO Cellular Networks | [PDF/DOC](https://drive.google.com/file/d/1T9ItP9D6OX9fRlIxTSHf0y4Kk8T23gew/view?usp=sharing) |
| TVWC87 | Joint Noisy Network Coding and Decode-ForwardRelaying for Non-Orthogonal Multiple Access | [PDF/DOC](https://drive.google.com/file/d/1Y6BHHSFDToKQvVTogqPmPWS4pBCrE7Ci/view?usp=sharing) |
| TVWC88 | Joint Path Selection and Rate AllocationFramework for 5G Self-Backhauled mm-wave Networks | [PDF/DOC](https://drive.google.com/file/d/1FrqkX8MdPHhx3UCcAVWTj58oiGtzzhdM/view?usp=sharing) |
| TVWC89 | Joint Sponsored and Edge Caching ContentService Market A Game-Theoretic Approach | [PDF/DOC](https://drive.google.com/file/d/1sl2bvdKPKD0XoBoAkRDmL3yg9qGVs__B/view?usp=sharing) |
| TVWC90 | Joint Transmit and Circuit Power Minimization in Massive MIMO With Downlink SINR ConstraintsWhen to Turn on Massive MIMO | [PDF/DOC](https://drive.google.com/file/d/15Mhi_9nSITYja02eUMFdpwN6R0f_VpNB/view?usp=sharing) |
| TVWC91 | Leakage Rate Analysis for Artificial Noise Assisted Massive MIMO With Non-CoherentPassive Eavesdropper in Block-Fading | [PDF/DOC](https://drive.google.com/file/d/1n6UalstNYFdHts73en9G1Bna7rBzqBwT/view?usp=sharing) |
| TVWC92 | Learning-Aided Multiple Time-Scale SON Function Coordination in Ultra-Dense Small-CellNetworks | [PDF/DOC](https://drive.google.com/file/d/1b41toTkUjKIkRWRyrDd6W_YfVcZvxY1E/view?usp=sharing) |
| TVWC93 | Linear Precoding With Low-Resolution DACs forMassive MU-MIMO-OFDM Downlink | [PDF/DOC](https://drive.google.com/file/d/1Z6PmZfeWT0CZcPOBRRQcM-3jfn1_oF82/view?usp=sharing) |
| TVWC94 | Liquid State Machine Learning for Resource and Cache Management in LTE-U Unmanned AerialVehicle (UAV) Networks | [PDF/DOC](https://drive.google.com/file/d/1LNENqMPR1WXsLz5iNJnmCk7poonwOCh_/view?usp=sharing) |
| TVWC95 | Load Balancing User Association in MillimeterWave MIMO Networks | [PDF/DOC](https://drive.google.com/file/d/1P5LWpDPQ9K2a_pNfZOakLQgJEoyic6f7/view?usp=sharing) |
| TVWC96 | Localization of Energy Harvesting EmpoweredUnderwater Optical Wireless Sensor Networks | [PDF/DOC](https://drive.google.com/file/d/1Bfv85MhhMKv0wtcq8NUwFCcHzbQWx7Fh/view?usp=sharing) |
| TVWC97 | Low-Complexity Truncated Polynomial Expansion DL Precoders and UL Receivers forMassive MIMO in Correlated Channels | [PDF/DOC](https://drive.google.com/file/d/1N1wV8DCEVLnM8oJ5g0xVT_ghYRgovQtg/view?usp=sharing) |
| TVWC98 | Massive MIMO Forward Link Analysis forCellular Network | [PDF/DOC](https://drive.google.com/file/d/1PCmn27dV8zQmFvUf4XAa2cAHhGJ6Uahy/view?usp=sharing) |
| TVWC99 | Massive MIMO Optimization with Compatible Sets | [PDF/DOC](https://drive.google.com/file/d/1YCkEbuVh2YJhCzQmpifGIR5k5wHkt0I4/view?usp=sharing) |
| TVWC100 | Max-Min Fairness User Scheduling and PowerAllocation in Full-Duplex OFDMA Systems | [PDF/DOC](https://drive.google.com/file/d/177mDZNVMQYDXvyvnqg9jt03LiXdhjF9_/view?usp=sharing) |
| TVWC101 | Message Passing Based Distributed Learning forJoint Resource Allocation in Millimeter Wave Heterogeneous Networks | [PDF/DOC](https://drive.google.com/file/d/1MSabMsBi8S8XZ1u08iX-AxbuzzfGc5j6/view?usp=sharing) |
| TVWC102 | Message Passing Receivers for GeneralizedMedia-Based Modulation Signals | [PDF/DOC](https://drive.google.com/file/d/1v432noReJCZ8h8i3bgHsHZBhO-YxMNEb/view?usp=sharing) |
| TVWC103 | Message Passing-Based Joint CFO and Channel Estimation in mmWave Systems With One-BitADCs | [PDF/DOC](https://drive.google.com/file/d/1YGjHFZzHuKBFWYZxd7_dBA1g1UZqIYjk/view?usp=sharing) |
| TVWC104 | Message-Passing Receiver Design for Joint Channel Estimation and Data Decoding in UplinkGrant-Free SCMA Systems | [PDF/DOC](https://drive.google.com/file/d/1os7pMBgcG-2EuxuTDRN36nuFiFgKptYn/view?usp=sharing) |
| TVWC105 | Minimizing Wi-Fi Latency With Unlicensed LTEOpportunistic White-Space Utilization | [PDF/DOC](https://drive.google.com/file/d/19jXmGuqwSGSNkAk_Up4mXoaaYpBaKJ_N/view?usp=sharing) |
| TVWC106 | Mixed-Timescale Online PHY Caching for Dual-Mode MIMO Cooperative Networks | [PDF/DOC](https://drive.google.com/file/d/1DakETz_Czm0-4E40dw5t5yo2X-8rE3c1/view?usp=sharing) |
| TVWC107 | MmWave Communication With Active AmbientPerception | [PDF/DOC](https://drive.google.com/file/d/1NczdgGkFHgZxFfj0ymTGxW_paiW6kSTX/view?usp=sharing) |
| TVWC108 | Mobile Computation Offloading for ApplicationThroughput Fairness and Energy Efficiency | [PDF/DOC](https://drive.google.com/file/d/1mleHtcd6fbpL5EVTwL3bghPROYLu3MGU/view?usp=sharing) |
| TVWC109 | Mobile-Traffic-Aware Offloading for Energy- and Spectral-Efficient Large-Scale D2D-EnabledCellular Networks | [PDF/DOC](https://drive.google.com/file/d/1-mZVqUhdTNuWh3IC7opditH-5gjrOVbg/view?usp=sharing) |
| TVWC110 | Modeling and Analysis of Differential CQIFeedback in 4G 5G OFDM Cellular Systems | [PDF/DOC](https://drive.google.com/file/d/1XTy2ld98m7Gg6Fz9wrwdHp6j9gZd58-u/view?usp=sharing) |
| TVWC111 | Modeling and Analysis of Point-to-MultipointMillimeter Wave Backhaul Networks | [PDF/DOC](https://drive.google.com/file/d/1f5QzV9pJWJnpVBOsfy1HplpGq-pNtjvN/view?usp=sharing) |
| TVWC112 | Moving Aerial Base Station Networks AStochastic Geometry Analysis and Design Perspective | [PDF/DOC](https://drive.google.com/file/d/1c_uqKgMQIpNy4xHPD2Y-nGb4_jixtZFN/view?usp=sharing) |
| TVWC113 | Multi-Agent Distributed Beamforming With Improper Gaussian Signaling for MIMOInterference Broadcast Channels | [PDF/DOC](https://drive.google.com/file/d/1HGOgeg-fIlqBaycUIEnVcxxl2qt9T-8z/view?usp=sharing) |
| TVWC114 | Multi-Agent Reinforcement Learning for Efficient Content Caching in Mobile D2D Networks | [PDF/DOC](https://drive.google.com/file/d/1cFEZOIH-xm_fC-XGK7FyZKuUKgnh9VDA/view?usp=sharing) |
| TVWC115 | Multi-Antenna Covert Communications inRandom Wireless Networks | [PDF/DOC](https://drive.google.com/file/d/1tlbLo6ddZEGsDDtFJrsRUKuZmH8wnJz4/view?usp=sharing) |
| TVWC116 | Multicast Precoding for MultigatewayMultibeamSatellite Systems With Feeder Link Interference | [PDF/DOC](https://drive.google.com/file/d/1VzBpVIzTuPA1Sso49mfKSrRlTHxwNvsN/view?usp=sharing) |
| TVWC117 | Multi-Cell Multi-User Massive FD-MIMODownlink Precoding and Throughput Analysis | [PDF/DOC](https://drive.google.com/file/d/1MaN8M3OXLYz-e6xDJ9C7S3e967OIX3GQ/view?usp=sharing) |
| TVWC118 | Multiple-Jammer-Aided Secure TransmissionWith Receiver-Side Correlation | [PDF/DOC](https://drive.google.com/file/d/174SO1ED0a_YXkm2OuNU_7BEBF44UMf3W/view?usp=sharing) |
| TVWC119 | Multi-User Analog Beamforming in Millimeter Wave MIMO Systems Based on Path Angle Information | [PDF/DOC](https://drive.google.com/file/d/1JShC2avKQ498_FMtR6ryIrN7P54jzdfE/view?usp=sharing) |
| TVWC120 | Multiuser Wirelessly Powered Backscatter Communications Nonlinearity, Waveform Design,and SINR-Energy Tradeoff | [PDF/DOC](https://drive.google.com/file/d/1Fn9_ruXSI86FSZsYxDIPqyEIR2BRsRIQ/view?usp=sharing) |
| TVWC121 | Network-Coded NOMA With AntennaSelectionfor the Support of Two Heterogeneous Groupsof | [PDF/DOC](https://drive.google.com/file/d/1KCxLnkwMAo8IJwNYj1yVGER8WhABzL4A/view?usp=sharing) |
|  | Users |  |
| TVWC122 | Non-Uniform Deployment of Power Beacons inWireless Powered Communication Networks | [PDF/DOC](https://drive.google.com/file/d/13M7ZHmeHJA8bB8d3Vguacd9kssLTaOBW/view?usp=sharing) |
| TVWC123 | Novel Method for Multi-Dimensional Mapping of Higher Order Modulations for BICM-ID OverRayleigh Fading Channels | [PDF/DOC](https://drive.google.com/file/d/1LjnBTweAIVVWxtxy6of3VLqPQJ-OwTYr/view?usp=sharing) |
| TVWC124 | OFDM-IM Based Dual-Hop System Using Fixed-Gain Amplify-and-Forward Relay With Pre- Processing Capability | [PDF/DOC](https://drive.google.com/file/d/1CYUtf7wJtHcFkL5m-03YhVeGMhPiQCRM/view?usp=sharing) |
| TVWC125 | On the Diversity of Uncoded OTFS Modulation inDoubly-Dispersive Channels | [PDF/DOC](https://drive.google.com/file/d/1hGshDDbdmNOwFfUst358JuXmgyo8yTVU/view?usp=sharing) |
| TVWC126 | On the Throughput of Large-but-Finite MIMONetworks Using Schedulers | [PDF/DOC](https://drive.google.com/file/d/1Qa1af8tQAXhFXv4UiOgyLZpSEN9VxkWw/view?usp=sharing) |
| TVWC127 | Online Learning-Based Downlink TransmissionCoordination in Ultra-Dense Millimeter Wave Heterogeneous Networks | [PDF/DOC](https://drive.google.com/file/d/17t5Nli7rE3S0NSk6yynhE6SvCmbiUY13/view?usp=sharing) |
| TVWC128 | Online Policies for Energy Harvesting ReceiversWith Time-Switching Architectures | [PDF/DOC](https://drive.google.com/file/d/123nkhRj1Z3py23vUe7oVkQvNRnH-aQPI/view?usp=sharing) |
| TVWC129 | Online Policies for Throughput Maximization ofEnergy-Constrained Wireless-Powered Communication Systems | [PDF/DOC](https://drive.google.com/file/d/1BpLUZCr-2R1lIyLERQ-wlL9BmNFzMb5-/view?usp=sharing) |
| TVWC130 | On-off Switched Interference Alignment forDiversity Multiplexing Tradeoff Improvement in the 2-User X-Network With Two Antennas | [PDF/DOC](https://drive.google.com/file/d/1VjRmr0dA3nbTKqL987ntWrd3VAg6aAmp/view?usp=sharing) |
| TVWC131 | Optimal Base Station Antenna Downtilt inDownlink Cellular Networks | [PDF/DOC](https://drive.google.com/file/d/1FedeeXUAMFfIfWr67GDjW-tjnxZ7XDHE/view?usp=sharing) |
| TVWC132 | Optimal Joint Modulation Classification andSymbol Decoding | [PDF/DOC](https://drive.google.com/file/d/1tW0X-z-MUL0wv2IYooRCqSM7dpHaMZRo/view?usp=sharing) |
| TVWC133 | Optimal Multi-User Scheduling for the Unbalanced Full-Duplex Buffer-Aided Relay Systems | [PDF/DOC](https://drive.google.com/file/d/1pnsKfMlWZEW6igz8IkEicEx1VCbg_nnv/view?usp=sharing) |
| TVWC134 | Optimal Power Allocations for Non-OrthogonalMultiple Access Over 5 | [PDF/DOC](https://drive.google.com/file/d/13fGEHU3wFc-5FXMyzc8YEGbF1yqAykoz/view?usp=sharing) |
| TVWC135 | Optimal Signaling Schemes and Capacity of Non-Coherent Rician Fading Channels With Low- | [PDF/DOC](https://drive.google.com/file/d/1cF11M1eGNOpCdVyBLNwenHUOYC5wbsJq/view?usp=sharing) |
|  | Resolution Output Quantization |  |
| TVWC136 | Optimizing MDS Coded Caching in WirelessNetworks With Device-to-Device Communication | [PDF/DOC](https://drive.google.com/file/d/1uvLEqBHtbkGVnCbFIPYXqkj-nMX0X6bC/view?usp=sharing) |
| TVWC137 | Optimizing Resource Allocation in the Short Blocklength Regime for Ultra-Reliable and Low-Latency Communications | [PDF/DOC](https://drive.google.com/file/d/1IM3eLFgdy88tWueVTSagR7wsYdMd_Zw4/view?usp=sharing) |
| TVWC138 | Orchestrating Resource Management in LTE-Unlicensed Systems With Backhaul Link Constraints | [PDF/DOC](https://drive.google.com/file/d/1Vax4iRqbiDZAiCdUlSS0-4UimDgXmKPQ/view?usp=sharing) |
| TVWC139 | Outage Analysis and Finite SNR Diversity- Multiplexing Tradeoff of Hybrid-Duplex Systemsfor Aeronautical Communications | [PDF/DOC](https://drive.google.com/file/d/12IZlwYaqGzijEciw_5ERibbD_Pja2R5m/view?usp=sharing) |
| TVWC140 | Outdoor to Indoor Propagation ChannelMeasurements at 28 GHz | [PDF/DOC](https://drive.google.com/file/d/1N5WdG-4fCKP6jU1bq8YAODn_Sv7JwHu7/view?usp=sharing) |
| TVWC141 | Periodic Analog Channel Estimation AidedBeamforming for Massive MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/1usswagjubYeC_B5UFZdXx_SuzVBr6CMN/view?usp=sharing) |
| TVWC142 | Physical-Layer Security in Full-Duplex Multi-HopMulti-User Wireless Network With Relay Selection | [PDF/DOC](https://drive.google.com/file/d/1zAAFBxpJDKRfmWxt6Hl4ZKl_rSQ8dwQ2/view?usp=sharing) |
| TVWC143 | Pilot- and CP-Aided Channel Estimation in MIMONon-Orthogonal Multi-Carriers | [PDF/DOC](https://drive.google.com/file/d/1nIs3QU_aOqklm1PUxUqvZyQ55Oc7RkUf/view?usp=sharing) |
| TVWC144 | Precoding and Detection for Broadband SingleCarrier Terahertz Massive MIMO Systems Using LSQR Algorithm | [PDF/DOC](https://drive.google.com/file/d/17ajSxg3CAqy_BXsrFENh_He6lpuJL5Rl/view?usp=sharing) |
| TVWC145 | Proactive Caching for Vehicular Multi-View 3D Video Streaming via Deep Reinforcement Learning | [PDF/DOC](https://drive.google.com/file/d/1fqS4_lsSWTRD8z-klHIIX1YMnr3qX_zW/view?usp=sharing) |
| TVWC146 | Programmable Hierarchical C-RAN From TaskScheduling to Resource Allocation | [PDF/DOC](https://drive.google.com/file/d/1obwriSgxEpG5bBwVe1ejvg6ug3RK3lNC/view?usp=sharing) |
| TVWC147 | QoS-Aware User Association and Resource Allocation in LAA-LTE WiFi Coexistence Systems | [PDF/DOC](https://drive.google.com/file/d/1da8P4P_3JwtGsIgQIVbZAnCnstPhB3Kx/view?usp=sharing) |
| TVWC148 | Random 3D Mobile UAV Networks MobilityModeling and Coverage Probability | [PDF/DOC](https://drive.google.com/file/d/1tgHWbmx1NPwpnN0Ztc06cIocZyEWCJUf/view?usp=sharing) |
| TVWC149 | Random Access Packet-Based or Connection-Based | [PDF/DOC](https://drive.google.com/file/d/1IqU1eIU_AS4J7eU-v3eafyql81q2AstR/view?usp=sharing) |
| TVWC150 | Rate Adaptation for Downlink Massive MIMO Networks and Underlaid D2D Links A LearningApproach | [PDF/DOC](https://drive.google.com/file/d/1vi0cu2olA0p8WB2KfdtPlMjIWD3aHK6s/view?usp=sharing) |
| TVWC151 | Reconsidering Linear Transmit Signal Processingin 1-Bit Quantized Multi-User MISO Systems | PDF/DOC |
| TVWC152 | Relay Selection and Resource Allocation forSWIPT in Multi-User OFDMA Systems | PDF/DOC |
| TVWC153 | Request Delay-Based Pricing for ProactiveCaching A Stackelberg Game Approach | PDF/DOC |
| TVWC154 | Resource Allocation and Performance Analysis ofCellular-Assisted OFDMA Device-to-Device Communications | PDF/DOC |
| TVWC155 | Resource Allocation for Secure Wireless Powered Integrated Multicast and Unicast Services WithFull Duplex Self-Energy Recycling | PDF/DOC |
| TVWC156 | Resource Allocation for Wireless-Powered IoT Networks With Short Packet Communication | PDF/DOC |
| TVWC157 | Reverse TDD-Based Massive MIMO SystemsWith Underlay Spectrum Sharing | PDF/DOC |
| TVWC158 | Revisiting the MIMO Capacity With Per-AntennaPower Constraint Fixed-Point Iteration and Alternating Optimization | PDF/DOC |
| TVWC159 | Robust Joint Hybrid Transceiver Design for Millimeter Wave Full-Duplex MIMO RelaySystems | PDF/DOC |
| TVWC160 | Robust Joint Hybrid Transceiver Design formmWave full-Duplex MIMO Relay Systems | PDF/DOC |
| TVWC161 | Robust Optimum and Near-Optimum Beamformers for Decode-and-Forward Full-Duplex Multi-Antenna Relay With Self-Energy Recycling | PDF/DOC |
| TVWC162 | Safeguarding UAV Communications Against Full-Duplex Active Eavesdropper | PDF/DOC |
| TVWC163 | Scheduling for VoLTE Resource Allocation | PDF/DOC |
|  | Optimization and Low-Complexity Algorithms |  |
| TVWC164 | SDN-Enabled MIMO Heterogeneous CooperativeNetworks With Flexible Cell Association | PDF/DOC |
| TVWC165 | Secrecy Performance Analysis for Hybrid Wiretapping Systems Using Random MatrixTheory | PDF/DOC |
| TVWC166 | Secrecy Performance Analysis of AnalogCooperative Beamforming in Three-Dimensional Gaussian Distributed Wireless Sensor Networks | PDF/DOC |
| TVWC167 | Secure Communications in Tiered 5G WirelessNetworks With Cooperative Jamming | PDF/DOC |
| TVWC168 | Secure Short-Packet Communications for Mission-Critical IoT Applications | PDF/DOC |
| TVWC169 | Sense-and-Predict Harnessing Spatial InterferenceCorrelation for Cognitive Radio Networks | PDF/DOC |
| TVWC170 | Sensor Network-Based Rigid Body Localization via Semi-Definite Relaxation Using Arrival Timeand Doppler Measurements | PDF/DOC |
| TVWC171 | Sequential Channel Equalization in Strong Line-of-Sight MIMO Communication | PDF/DOC |
| TVWC172 | Simultaneous Spectrum Sensing and EnergyHarvesting | PDF/DOC |
| TVWC173 | Single- and Multiple-Access Point IndoorLocalization for Millimeter-Wave Networks | PDF/DOC |
| TVWC174 | Spatial Configuration of Agile Wireless NetworksWith Drone-BSs and User-in-the-loop | PDF/DOC |
| TVWC175 | Spatial Transmitter Density Allocation forFrequency-Selective Wireless Ad Hoc Networks | PDF/DOC |
| TVWC176 | Spectrum Sensing Using a Uniform UncalibratedLinear Antenna Array for Cognitive Radios | PDF/DOC |
| TVWC177 | Stackelberg Game for User Clustering and PowerAllocation in Millimeter Wave-NOMA Systems | PDF/DOC |
| TVWC178 | Stochastic Control of Computation Offloading to aHelper with a Dynamically Loaded CPU | PDF/DOC |
| TVWC179 | Sub-System SVD Hybrid Beamforming Design forMillimeter Wave Multi-Carrier Systems | PDF/DOC |
| TVWC180 | Successive Two-Way Relaying for Full-Duplex Users With Generalized Self-InterferenceMitigation | PDF/DOC |
| TVWC181 | Symbol-Level Precoding for Low Complexity Transmitter Architectures in Large-Scale AntennaArray Systems | PDF/DOC |
| TVWC182 | Throughput Maximization for Delay-SensitiveRandom Access Communication | PDF/DOC |
| TVWC183 | Throughput Optimization for Wireless PoweredInterference Channels | PDF/DOC |
| TVWC184 | Tractable Coverage Analysis for Hexagonal Macrocell-Based Heterogeneous UDNs WithAdaptive Interference-Aware CoMP | PDF/DOC |
| TVWC185 | Transmit Power Minimization for Vector-Perturbation Based NOMA Systems A Sub- Optimal Beamforming Approach | PDF/DOC |
| TVWC186 | Treating Content Delivery in Multi-Antenna Coded Caching as General MessageSetsTransmission A DoF RegionPerspective | PDF/DOC |
| TVWC187 | Two-Phase Random Access Procedure for LTE-ANetworks | PDF/DOC |
| TVWC188 | Two-Tier Cellular Networks for ThroughputMaximization of Static and Mobile Users | PDF/DOC |
| TVWC189 | Ultra-dense LEO Integrating Terrestrial-SatelliteNetworks into 5G and Beyond for Data Offloading | PDF/DOC |
| TVWC190 | Uplink Interference Mitigation Techniques for Coexistence of 5G Millimeter Wave Users WithIncumbents at 70 and 80 GHz | PDF/DOC |
| TVWC191 | Uplink Performance Analysis in D2D-EnabledMillimeter-Wave Cellular Networks With Clustered Users | PDF/DOC |
| TVWC192 | User-Centric Energy Efficiency Optimization forMISO Wireless Powered Communications | PDF/DOC |
| TVWC193 | VLC and D2D Heterogeneous Network Optimization A Reinforcement Learning ApproachBased on Equilibrium Problems With Equilibrium | PDF/DOC |
|  | Constraints |  |
| TVWC194 | Weighted Sum-Rate Maximization for the Ultra-Dense User-Centric TDD C-RAN Downlink Relying on Imperfect CSI | PDF/DOC |
| TVWC195 | Wireless Power Transfer by Beamspace Large-scale MIMO with Lens Antenna Array | PDF/DOC |
| TVWC196 | Wireless MIMO Switching With Imperfect CSI inFrequency and Time Division Duplex | PDF/DOC |
| TVWC197 | Wireless Channel Modeling Perspectives forUltra-Reliable Communications | PDF/DOC |

|  |  |  |
| --- | --- | --- |
| **S.NO** | **COMMUNICATION 2019-2020** | **DOWNLOA D LINK CLICK** |
| TVCM01 | 3D Beamforming With Massive Cylindrical Arraysfor Physical Layer Secure Data Transmission | [PDF/DOC](https://drive.google.com/file/d/1ymE3nzeZtwcZLFZvn8HtXITHbxtleE2b/view?usp=sharing) |
| TVCM02 | A Dual-Antenna Collaborative CommunicationStrategy for Flying Ad Hoc Networks | [PDF/DOC](https://drive.google.com/file/d/1OW57QSXiprL-v4GIDk0acMbVKkJ2os9b/view?usp=sharing) |
| TVCM03 | A Homogeneous Multi-Radio RendezvousAlgorithm for Cognitive Radio Networks | [PDF/DOC](https://drive.google.com/file/d/1wbfulTbDBMYO0sm0pJQHFUPyJzy-LMfa/view?usp=sharing) |
| TVCM04 | A Low Complexity Signal Detection Scheme Basedon Improved Newton Iteration for Massive MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/1lVG_2cQcZZTvGO6t54HASZaHck3pYk3N/view?usp=sharing) |
| TVCM05 | A Near-Optimal Iterative Linear Precoding WithLow Complexity for Massive MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/1AO5mULzMKYU4ugb3SvE02qDXig1gbF6m/view?usp=sharing) |
| TVCM06 | A Node-Selection-Based Sub-Task AssignmentMethod for Coded Edge Computing | [PDF/DOC](https://drive.google.com/file/d/1WIPvyCY4x6zIgYxzvWTtkRASfstkwqZJ/view?usp=sharing) |
| TVCM07 | A Novel Single Feedback Architecture With Time-Interleaved Sampling for Multi-Band DPD | [PDF/DOC](https://drive.google.com/file/d/1jq61aQ9voaq0ThcfDdNPJPNu9Jp3m9fe/view?usp=sharing) |
| TVCM08 | A Novel Two-Stage Beam Selection Algorithm inmmWave Hybrid Beamforming System | [PDF/DOC](https://drive.google.com/file/d/1G_BQA-7iY3Gz8Sfrsf0yQK_uB7XyEQ54/view?usp=sharing) |
| TVCM09 | A Novel VLC Channel Model Based on BeamSteering Considering the Impact of Obstacle | [PDF/DOC](https://drive.google.com/file/d/1JVZcl1ZAQSkcnGCYlAp3buSe6NdSTMpK/view?usp=sharing) |
| TVCM10 | A Quasi-Perfect Resource Allocation Scheme for Optimizing the Performance of Cell-Edge Users inFFR-Aided LTE-A Multicell Networks | [PDF/DOC](https://drive.google.com/file/d/1MMM2OLzejlM1J-yA6-QB7zOFqkeu9YeO/view?usp=sharing) |
| TVCM11 | A Widely Linear MMSE Anti-Collision Method forMulti-Antenna RFID Readers | [PDF/DOC](https://drive.google.com/file/d/1bq23ivOuVH4HTlpt_d8MTwJC1gIc48oX/view?usp=sharing) |
| TVCM12 | Activity Pattern Aware Spectrum Sensing A CNN-Based Deep Learning Approach | [PDF/DOC](https://drive.google.com/file/d/1NnypAvXHhCp1yK3lFMFI9US0Oe4WAYml/view?usp=sharing) |
| TVCM13 | An Improved Dropping Algorithm for Line-of-SightMassive MIMO With Max-Min Power Control | [PDF/DOC](https://drive.google.com/file/d/14qL_sAZIqvleuEI_LIb1YnKG1y_sA9ds/view?usp=sharing) |
| TVCM14 | An Uplink Non-Orthogonal Multiple AccessMethod Based on Frozen Bit Patterns of Polar Codes | [PDF/DOC](https://drive.google.com/file/d/1Xx45QB-ZBL7Y75TrMYZukyA-ddvP6jAz/view?usp=sharing) |
| TVCM15 | AN-Aided Secure Beamforming Design forCorrelated MISO Wiretap Channels | [PDF/DOC](https://drive.google.com/file/d/1Xx45QB-ZBL7Y75TrMYZukyA-ddvP6jAz/view?usp=sharing) |
| TVCM16 | Analysis and Optimization of Wireless-PoweredCooperative Jamming for Sensor Network Over Nakagami- m Fading Channels | [PDF/DOC](https://drive.google.com/file/d/1TPwJ7PjlE3lzwu1BkfIyNidm32cK8O30/view?usp=sharing) |
| TVCM17 | Analysis of Massive MIMO With Low-ResolutionADC in Nakagami- m Fading | [PDF/DOC](https://drive.google.com/file/d/13Lkfx1Cv5-MEByvoSUNljNVW50djWjrR/view?usp=sharing) |
| TVCM18 | Analysis of Simplified FrameSynchronizationScheme for Burst-Mode Multi-CarrierSystem | [PDF/DOC](https://drive.google.com/file/d/1A5j-JeFuqaCuQEajrnJsxmfco-FbzFlI/view?usp=sharing) |
| TVCM19 | Capacity Bounds for Diffusive MolecularCommunication Over Discrete-Time Compound Poisson Channels | [PDF/DOC](https://drive.google.com/file/d/1jPHben6Ix9-hzN0qKrHEPkZ4oXxr0b2z/view?usp=sharing) |
| TVCM20 | Closed-Form BER Expression for Fourier and Wavelet Transform-Based Pulse-Shaped Data inDownlink NOMA | [PDF/DOC](https://drive.google.com/file/d/1KI8BqIQyDX20EKM6AhKumtfv6S1CNY7v/view?usp=sharing) |
| TVCM21 | Coalition Formation Game for Resource Allocationin D2D Uplink Underlaying Cellular Networks | [PDF/DOC](https://drive.google.com/file/d/1pme1l0E8HYNaI75-DeeCP0v4g0oVfoIV/view?usp=sharing) |
| TVCM22 | Computationally Efficient DOA Estimation Algorithm for MIMO Radar With ImperfectWaveforms | [PDF/DOC](https://drive.google.com/file/d/16lV4Tp7lSYQni9u4NpKPRAHe74np7FVN/view?usp=sharing) |
| TVCM23 | Construction of Bio-Constrained Code for DNAData Storage | [PDF/DOC](https://drive.google.com/file/d/16lV4Tp7lSYQni9u4NpKPRAHe74np7FVN/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| TVCM24 | Cooperative Localization Based on EfficientCovariance Intersection | [PDF/DOC](https://drive.google.com/file/d/1WLYy8jJEJd9TDRLT4NGgUQSyF1YC80aP/view?usp=sharing) |
| TVCM25 | Design of Algorithm for Multicarrier Modulation to Improve Transmission Performance of InductiveCoupling Temperature–Salinity–Depth Chain | [PDF/DOC](https://drive.google.com/file/d/1oXscTW-yd4FljBuibNiZuc0WUhPPz0Xw/view?usp=sharing) |
| TVCM26 | Direction-of-Arrival Estimation of Strictly Noncircular Signal by Maximum Likelihood Basedon Moving Array | [PDF/DOC](https://drive.google.com/file/d/1GAVLyu1u4AJ1ei4BY3Dg_ZLl6DqtogFg/view?usp=sharing) |
| TVCM27 | Dual Trajectory Optimization for a CooperativeInternet of UAVs | [PDF/DOC](https://drive.google.com/file/d/1uWJnZ8TYltngPnwHJaYYNKzHCS75BfDS/view?usp=sharing) |
| TVCM28 | Dynamic Feedback-Based Adaptive Modulation forEnergy-Efficient Communication | [PDF/DOC](https://drive.google.com/file/d/1qoNJv2KPYalwsN9JsigLfAlpmjEFCad8/view?usp=sharing) |
| TVCM29 | Efficient Equalization for FBMC-OQAM Under Doubly Selective Channel Estimation Errors | [PDF/DOC](https://drive.google.com/file/d/1S3POo5LtSsMsB3C_DAGvKWtS5ZgspRro/view?usp=sharing) |
| TVCM30 | Energy-Efficient Power Allocation for Cooperative NOMA Systems With IBFD-Enabled Two-WayCognitive Transmission | [PDF/DOC](https://drive.google.com/file/d/1noKXsO8y7UzLE_ifqYAbouJiyQDZg3am/view?usp=sharing) |
| TVCM31 | Enhanced DFT-Based Channel Estimator forLeakage Effect Mitigation in OFDM Systems | [PDF/DOC](https://drive.google.com/file/d/1kCUpItjap4xrspmuQYlnBp_nQwyBzIjO/view?usp=sharing) |
| TVCM32 | Evolutionary Game Approach to Uplink NOMARandom Access Systems | [PDF/DOC](https://drive.google.com/file/d/1XZwRqSDvgECNAWUftv_lxTOxaw_liqt2/view?usp=sharing) |
| TVCM33 | Expanded Blaum–Roth Codes With EfficientEncoding and Decoding Algorithms | [PDF/DOC](https://drive.google.com/file/d/10GdDnSbWFHLJyhLr5fKfKZYHJWnBMgMU/view?usp=sharing) |
| TVCM34 | Hard-Decision Bit-Flipping Decoder Based onAdaptive Bit-Local Threshold for LDPC Codes | [PDF/DOC](https://drive.google.com/file/d/1liz0WdMECa79w2kvDK68CuhR50gy76lw/view?usp=sharing) |
| TVCM35 | Harvested Energy Maximization in Wireless PeerDiscovery Systems | [PDF/DOC](https://drive.google.com/file/d/1tv-lNTk_PEpXj3BzhZtjYfjCmRJV4V-V/view?usp=sharing) |
| TVCM36 | Hermitian Self-Dual, MDS, and Generalized Reed–Solomon Codes | [PDF/DOC](https://drive.google.com/file/d/1TnMc9PMYZcJOPniX9BQzH7J02CvEXbuF/view?usp=sharing) |
| TVCM37 | I2C Joint Intra-Packet and Inter-Packet Coding forReliable Cross-Technology Communication | [PDF/DOC](https://drive.google.com/file/d/1CcTbv3zZqeeaAsji47-wfcD52fj_HQ29/view?usp=sharing) |
| TVCM38 | Improved Fast-SSC-Flip Decoding of Polar Codes | [PDF/DOC](https://drive.google.com/file/d/1aoh5fEciFWqHw64aXyrGPjfT98WfOmrd/view?usp=sharing) |
| TVCM39 | Indirect Diffused Light Free-Space Optical | [PDF/DOC](https://drive.google.com/file/d/1QajaAafHajWm_DJVIOf_1lQtt1fB6AFa/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
|  | Communications for Vehicular Networks |  |
| TVCM40 | Interference-Free Hybrid Optical OFDM With Low-Complexity Receiver for Wireless Optical Communications | [PDF/DOC](https://drive.google.com/file/d/1J0-gQt4PsadDCdafwtsf3P2kJr7yxQhK/view?usp=sharing) |
| TVCM41 | Iterative Channel Estimation Algorithm For Downlink MC-CDMA Systems With Two-PathSuccessive Relaying Transmission | [PDF/DOC](https://drive.google.com/file/d/1Nhc5qvo5D1oZJFrbOkLVFltMN8SMX7hI/view?usp=sharing) |
| TVCM42 | Joint Power-Domain and SCMA-Based NOMASystem for Downlink in 5G and Beyond | [PDF/DOC](https://drive.google.com/file/d/1HwEcteGZFSYppXMqsHLexyOY6I30KsMI/view?usp=sharing) |
| TVCM43 | Link Adaptation Mechanisms Based on LogisticRegression Modeling | [PDF/DOC](https://drive.google.com/file/d/1SKxzLIFk0zCxk6s_KIjcQugbWdMEy3Td/view?usp=sharing) |
| TVCM44 | Low-Complexity Beam Selection Algorithms forMillimeter Wave Beamspace MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/1vuBCqBpVAEJnIjFx-fKgsqOXVGFs4BW6/view?usp=sharing) |
| TVCM45 | MABRESE A New Server Selection Method for Smart SDN-Based CDN Architecture | [PDF/DOC](https://drive.google.com/file/d/1252Ky8O1vc80RlU6ZpRVK4Dwg5bntf7g/view?usp=sharing) |
| TVCM46 | Maximum-Likelihood Direction Finding UnderElliptical Noise Using the EM Algorithm | [PDF/DOC](https://drive.google.com/file/d/1FXfdTWVDTEpaguE7VG7tFRrTsWFR0g1p/view?usp=sharing) |
| TVCM47 | Modified DOA Estimation With an Unfolded Co-Prime Linear Array | [PDF/DOC](https://drive.google.com/file/d/1X2jmjn9L6cBNj1ctuwPwwORkhMU1sxsL/view?usp=sharing) |
| TVCM48 | Modified GII-BCH Codes for Low-Complexity andLow-Latency Encoders | [PDF/DOC](https://drive.google.com/file/d/1OYYUsVOniQuFLaOJyz2nLa1GB75d-dUV/view?usp=sharing) |
| TVCM49 | Multicarrier Constant-Envelope Multiplexing Technique by Subcarrier Vectorization for NewGeneration GNSSs | [PDF/DOC](https://drive.google.com/file/d/1MWA7HJPG6Cj97e3ysEtQu4SQHZTnoUnf/view?usp=sharing) |
| TVCM50 | Multimodal Sparse Representation-BasedClassification Scheme for RF Fingerprinting | [PDF/DOC](https://drive.google.com/file/d/1BrFNpP75sQcFIa4CGpGepEW5CcyR6600/view?usp=sharing) |
| TVCM51 | New Bounds on Wide-Gap Frequency-HoppingSequences | [PDF/DOC](https://drive.google.com/file/d/1JtvRFDTfovvGQ8xVa4CXxrPd5w5E2avR/view?usp=sharing) |
| TVCM52 | On Complete Targets Coverage in RF-HarvestingInternet of Things Networks | [PDF/DOC](https://drive.google.com/file/d/19ngBBVXYCLKQrr_M00bPKg8Z5yMJUe-h/view?usp=sharing) |
| TVCM53 | On Cyclic Delay Diversity-Based Single-CarrierScheme in Spectrum Sharing Systems | [PDF/DOC](https://drive.google.com/file/d/1pzU4lyuYeJadLAAQFELZM84eZIogGIMj/view?usp=sharing) |
| TVCM54 | On Encoding and Decoding of Circular-Shift LinearNetwork Codes | [PDF/DOC](https://drive.google.com/file/d/1DNM8UxjAha7kN9vbdiNTotmdP3u2mKGQ/view?usp=sharing) |
| TVCM55 | On the Outage Probability of Peak Age-of- | [PDF/DOC](https://drive.google.com/file/d/1VWjN_q2nMv9MEM2apvxISG_hToaxOKOg/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
|  | Information for DG1 Queuing Systems |  |
| TVCM56 | On the Successful Delivery Probability of Full-Duplex-Enabled Mobile Edge Caching | [PDF/DOC](https://drive.google.com/file/d/16td3wLd3CItgs2coihlLfiYIFNVL3hOy/view?usp=sharing) |
| TVCM57 | Optimal Packet Size Analysis for Network Coding-Enabled Two-Hop Error-Prone Wireless Networks | [PDF/DOC](https://drive.google.com/file/d/1U1teMyt9OzZCHswi921d7ARMv86LniOd/view?usp=sharing) |
| TVCM58 | Outage Probability for Cooperative NOMA SystemsWith Imperfect SIC in Cognitive Radio Networks | [PDF/DOC](https://drive.google.com/file/d/1EvWo7ZaD21kMvpf7QfEpKcpAXx92MXbn/view?usp=sharing) |
| TVCM59 | Peak-to-Average Power Ratio of OTFS modulation | [PDF/DOC](https://drive.google.com/file/d/1elmX3uWaRdua1RalDwVuXtE7IJsHUIlN/view?usp=sharing) |
| TVCM60 | Performance Analysis and Resource Allocation for Cooperative D2D Communication in CellularNetworks With Multiple D2D Pairs | [PDF/DOC](https://drive.google.com/file/d/15MGvh2csrd9XP7Fi377Lt_b9989ZkI5v/view?usp=sharing) |
| TVCM61 | Polarization Multiplexing-Based Ultra-Wideband Over Fiber Communication Employing Direct Modulation and Carrier Re-Use | [PDF/DOC](https://drive.google.com/file/d/1dIguLj-m08icpDuTWKfpYJDB_B5vyVM2/view?usp=sharing) |
| TVCM62 | Random Waypoint Mobility Model in SpaceModulation Systems | [PDF/DOC](https://drive.google.com/file/d/1cO9T191Yv4oXJay6AmrqeUQXZnzRSNyp/view?usp=sharing) |
| TVCM63 | Resource Allocation and Power Control to Maximize the Overall System Survival Time forMobile Cells With a D2D Underlay | [PDF/DOC](https://drive.google.com/file/d/18xJr0zdZPLHLfOJzBEFX57QRvq_rhUjk/view?usp=sharing) |
| TVCM64 | Restricted Access Window-Based Novel ServiceDifferentiation Scheme for Group-Synchronized DCF | [PDF/DOC](https://drive.google.com/file/d/1hURbPV_cX0GAepcGlKM38RoMy5s7mE8f/view?usp=sharing) |
| TVCM65 | Secrecy Analysis in SWIPT Systems OverGeneralized- K Fading Channels | [PDF/DOC](https://drive.google.com/file/d/1CgdwYPeU4tPnZXHace2QHqvx_1ztWhm2/view?usp=sharing) |
| TVCM66 | Secrecy-Aware Altitude Optimization for Quasi-Static UAV Base Station Without Eavesdropper Location Information | [PDF/DOC](https://drive.google.com/file/d/1tXEcoNdmMHTHcR6JbjgolRoPGk97pYpX/view?usp=sharing) |
| TVCM67 | Secure Multicast Communications in CognitiveSatellite-Terrestrial Networks | [PDF/DOC](https://drive.google.com/file/d/19AhA_Cp-atSvn33Trwnfj5jX9-RVXpk7/view?usp=sharing) |
| TVCM68 | Source-Based Jamming for Physical-Layer Securityon Untrusted Full-Duplex Relay | [PDF/DOC](https://drive.google.com/file/d/1XCf3AfwHcUPxq-Ij2P73Grd9B7RaKxIq/view?usp=sharing) |
| TVCM69 | Strengths and Weaknesses of the ETSI AdaptiveDCC Algorithm A Proposal for Improvement | [PDF/DOC](https://drive.google.com/file/d/1drqny5g5oUMCeH0g2Rs5lnCRXYw3_PNa/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| TVCM70 | Toward Wide-Frequency-Range Direction FindingWith Support Vector Regression | [PDF/DOC](https://drive.google.com/file/d/1bcUVnV9WCClgteQvYwENZWqTJAIteg0w/view?usp=sharing) |
| TVCM71 | Trade-Off Between Frame Synchronization andChannel Decoding for Short Packets | [PDF/DOC](https://drive.google.com/file/d/1_RznO1BXlMNT-WsTIOuavGErsOgR2WDp/view?usp=sharing) |
| TVCM72 | UAV-Assisted Emergency Communications AnExtended Multi-Armed Bandit Perspective | [PDF/DOC](https://drive.google.com/file/d/1FL3VaOwlDUqd2CbE5iNNVPiSW1r_qBqt/view?usp=sharing) |
| TVCM73 | Unified Ergodic Capacity Expressions for AF Dual-Hop Systems With Hardware Impairments | [PDF/DOC](https://drive.google.com/file/d/1OEfpvel1OYMvCv-KY_pPNgZnLJPtPd6q/view?usp=sharing) |
| TVCM74 | VariLoc Path Loss Exponent Estimation andLocalization Using Multi-Range Beaconing | [PDF/DOC](https://drive.google.com/file/d/10BpjGQv6HWD6FnBtYAF1zfZaHa9wc0bl/view?usp=sharing) |
| TVCM75 | Which Statistical Distribution Best CharacterizesModern Cellular Traffic and What Factor | [PDF/DOC](https://drive.google.com/file/d/1_H4AUX-udgDetmsfAhpAodnCZ99tqQ5c/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| **S.NO** | **SIGNAL PROCESSING** | **DOWNLOAD LINK CLICK** |
| TVSP01 | A New Construction Framework for Polyphase Complete Complementary Codes With VariousLengths | [PDF/DOC](https://drive.google.com/file/d/13_qW51IQwTvzNlpMBdBsNBG1wraW6hzA/view?usp=sharing) |
| TVSP02 | A Theoretical Framework of Robust H-InfinityUnscented Kalman Filter and Its Application to Power System Dynamic State Estimation | [PDF/DOC](https://drive.google.com/file/d/1eh_M50b9t8mNC7jUj_Yh0jNLRcbJktPj/view?usp=sharing) |
| TVSP03 | Advanced Low-Complexity Multicarrier SchemesUsing Fast-Convolution Processing and Circular Convolution Decomposition | [PDF/DOC](https://drive.google.com/file/d/1FQ34ahJ_BMm150IoA-cukU7-A7vgx4qk/view?usp=sharing) |
| TVSP04 | Advances in Distributed Graph Filtering | [PDF/DOC](https://drive.google.com/file/d/18S2EwSIq1YE8_mAe84ekvGTHb8BIEaa-/view?usp=sharing) |
| TVSP05 | Communication-Censored ADMM for DecentralizedConsensus Optimization | [PDF/DOC](https://drive.google.com/file/d/1Wo3F1ozBAMCf3ZE5GNja8P9DKSUoWetz/view?usp=sharing) |
| TVSP06 | Convergence Analysis of Gaussian BeliefPropagation Under High-Order Factorization and | [PDF/DOC](https://drive.google.com/file/d/1pdxSDEyYv3Uv7-6y37QlSNkQIhr4iZ4u/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
|  | Asynchronous Scheduling |  |
| TVSP07 | Correction of Corrupted Columns Through FastRobust Hankel Matrix Completion | [PDF/DOC](https://drive.google.com/file/d/1-pFu8heegaM-AJgqql2IDml-ivrO2Lxl/view?usp=sharing) |
| TVSP08 | Covariance Matrix Estimation From Linearly-Correlated Gaussian Samples | [PDF/DOC](https://drive.google.com/file/d/1RRedH0wcnJSMSQcw5k8Wo66d-2LHoNTP/view?usp=sharing) |
| TVSP09 | DeepLOB Deep Convolutional Neural Networks forLimit Order Books | [PDF/DOC](https://drive.google.com/file/d/18PdUCHmd3OAye1KKmJiXdu6F4iP4FE51/view?usp=sharing) |
| TVSP10 | Delta-Ramp Encoder for Amplitude Sampling andIts Interpretation as Time Encoding | [PDF/DOC](https://drive.google.com/file/d/1mK2E_-bbmxinjEIw4cDUZfNQx95Jvorj/view?usp=sharing) |
| TVSP11 | Designing Sets of Binary Sequences for MIMORadar Systems | [PDF/DOC](https://drive.google.com/file/d/1UPf-hKeT1VOuq6bSwYhpBP9IRswx1N2a/view?usp=sharing) |
| TVSP12 | Eigendecomposition-Free Sampling Set Selection forGraph Signals | [PDF/DOC](https://drive.google.com/file/d/14l6A__IJK18iLQ8uWenbmCMslDis7eCj/view?usp=sharing) |
| TVSP13 | Ergodicity in Stationary Graph Processes A WeakLaw of Large Numbers | [PDF/DOC](https://drive.google.com/file/d/1oNBWeX-rZTXnp--jueQLadTY0ag9nnwY/view?usp=sharing) |
| TVSP14 | Estimation From Quantized Gaussian Measurements When and How to Use Dither | [PDF/DOC](https://drive.google.com/file/d/1s7DgZGp5G1BcJvL0gqLIBfbN_vHusFwR/view?usp=sharing) |
| TVSP15 | Frame-Based Sparse Analysis and Synthesis SignalRepresentations and Parseval K-SVD | [PDF/DOC](https://drive.google.com/file/d/1MH-LZZyppXaKsdLeLftVjMicALWbs4zL/view?usp=sharing) |
| TVSP16 | Gather and Conquer Region-Based Strategies toAccelerate Safe Screening Tests | [PDF/DOC](https://drive.google.com/file/d/1zzg4lterX_A4m33EN49R1eLCed5x71bX/view?usp=sharing) |
| TVSP17 | Information-Theoretic Pilot Design for DownlinkChannel Estimation in FDD Massive MIMO Systems | [PDF/DOC](https://drive.google.com/file/d/1WEFpqC4lb4nOktOLsoZg0CNvYXRlgdeF/view?usp=sharing) |
| TVSP18 | Invertible Particle-Flow-Based Sequential MCMCWith Extension to Gaussian Mixture Noise Models | [PDF/DOC](https://drive.google.com/file/d/18Ir2slymVJ44Vs6YGWg_8tEbedAsFCsX/view?usp=sharing) |
| TVSP19 | Joint Optimization of Dimension Assignment andCompression in Distributed Estimation Fusion | [PDF/DOC](https://drive.google.com/file/d/1F1dgPurpxDMV_JY7_tUsa1zLD4jC6tR6/view?usp=sharing) |
| TVSP20 | Joint Time-of-Arrival Estimation for Coherent UWB Ranging in Multipath Environment With Multi-UserInterference | [PDF/DOC](https://drive.google.com/file/d/1gr1ETUL5dsewJlybSvQHKT85dQErEENg/view?usp=sharing) |
| TVSP21 | Learning Optimal Resource Allocations in WirelessSystems | [PDF/DOC](https://drive.google.com/file/d/1h4s5PD-363DJQlT-NNAoEFsI5AByBVfi/view?usp=sharing) |
| TVSP22 | Learning ReLU Networks on Linearly SeparableData Algorithm, Optimality, and Generalization | [PDF/DOC](https://drive.google.com/file/d/17bcGRUOg__VuE6K-E_Ot_XQUPuXYY2fM/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| TVSP23 | Localization From Incomplete Euclidean Distance Matrix Performance Analysis for the SVD-MDSApproach | [PDF/DOC](https://drive.google.com/file/d/13sVKPlfeMmIV_3jRKMdyp8zOJuxdpJcd/view?usp=sharing) |
| TVSP24 | Multi-user regularized zero-forcing beamforming | [PDF/DOC](https://drive.google.com/file/d/1zBKWZ71BmUQ8_2k7NGxqGlcdPD95gzT4/view?usp=sharing) |
| TVSP25 | New Saddle-Point Technique for Non-Coherent Radar Detection With Application to CorrelatedTargets in Uncorrelated Clutter Speckle | [PDF/DOC](https://drive.google.com/file/d/1ehdfUB5KaIcRCceqlU20rpltOtMRiTrA/view?usp=sharing) |
| TVSP26 | Noisy Accelerated Power Method for EigenproblemsWith Applications | [PDF/DOC](https://drive.google.com/file/d/1bTEdRSzAKTUcsxH_g9mbtwzRwtoCOZx6/view?usp=sharing) |
| TVSP27 | Non-Existence of Convolution Sum SystemRepresentations | [PDF/DOC](https://drive.google.com/file/d/1CsEiPPcGO1BQpepJuwdaXiZkO86AsQYp/view?usp=sharing) |
| TVSP28 | On the Two-User MISO Interference Channel With Single-User Decoding Impact of Imperfect CSIT andChannel Dimension Reduction | [PDF/DOC](https://drive.google.com/file/d/1RkHWZLkaX_pFO3uCTJad991FMUXeKGb2/view?usp=sharing) |
| TVSP29 | Online Graph-Adaptive Learning With Scalability and Privacy | [PDF/DOC](https://drive.google.com/file/d/1NYy2TK06ZuOsT5I4WlyD6jMZ2jIWN1AS/view?usp=sharing) |
| TVSP30 | Online Power Optimization in Feedback-Limited,Dynamic and Unpredictable IoT Networks | [PDF/DOC](https://drive.google.com/file/d/1iQyMneLu-uZvBsqdEgB72DKH5BPesjdc/view?usp=sharing) |
| TVSP31 | Optimal Spectral Initialization for Signal RecoveryWith Applications to Phase Retrieval | [PDF/DOC](https://drive.google.com/file/d/1RmppcMyRh8LaP0Et1s-ebEVuKRkn3Mm8/view?usp=sharing) |
| TVSP32 | Projected Stochastic Primal-Dual Method forConstrained Online Learning With Kernels | [PDF/DOC](https://drive.google.com/file/d/1i9sct-Waj2Cz5sM8h8K0H__Tbhntkm30/view?usp=sharing) |
| TVSP33 | Robustness of Difference Coarrays of Sparse Arrays to Sensor Failures—Part I A Theory Motivated byCoarray MUSIC | [PDF/DOC](https://drive.google.com/file/d/1VrKZD9GlyMjr3fMOW_MRS_ldmBX64JFF/view?usp=sharing) |
| TVSP34 | Robustness of Difference Coarrays of Sparse Arraysto Sensor Failures—Part II Array Geometries | [PDF/DOC](https://drive.google.com/file/d/1B3gptqbhJuouByAiYwidFj83euc_YZ3G/view?usp=sharing) |
| TVSP35 | Semi-Blind Inference of Topologies and DynamicalProcesses Over Dynamic Graphs | [PDF/DOC](https://drive.google.com/file/d/1tXdAmjhrko5QqSsffO4JGsukmUZojDP5/view?usp=sharing) |
| TVSP36 | Source Resolvability of Spatial-Smoothing-BasedSubspace Methods A Hadamard Product Perspective | [PDF/DOC](https://drive.google.com/file/d/1487cyq4tYQgBTphaPMfVRGCadX5TFsQG/view?usp=sharing) |
| TVSP37 | Space-Time Media-Based Modulation | [PDF/DOC](https://drive.google.com/file/d/1HQCLcn6FBTBZdwhcuosE0a9U_2rY_rIh/view?usp=sharing) |
| TVSP38 | Stable Principal Component Pursuit via ConvexAnalysis | [PDF/DOC](https://drive.google.com/file/d/1qksn08wDLU4pTJATdG-Vn1evhODf-oCT/view?usp=sharing) |

|  |  |  |
| --- | --- | --- |
| TVSP39 | State-Space Adaptive Nonlinear Self-InterferenceCancellation for Full-Duplex Communication | [PDF/DOC](https://drive.google.com/file/d/1W7LwQUunK91gW6frj0CWXdXC-wgDW6Wg/view?usp=sharing) |
| TVSP40 | Structured and Unstructured OutlierIdentificationfor Robust PCA A Fast Parameter FreeAlgorithm | [PDF/DOC](https://drive.google.com/file/d/1dYVvY0ILNeWs6z5ozD0Se0j1MeVB6Ekm/view?usp=sharing) |
| TVSP41 | Tight Performance Bounds for Compressed SensingWith Conventional and Group Sparsity | [PDF/DOC](https://drive.google.com/file/d/1AaoRC-fI5qokzFDY3R_65rZCq-Z3IN1F/view?usp=sharing) |
| TVSP42 | Trainable ISTA for Sparse Signal Recovery | [PDF/DOC](https://drive.google.com/file/d/1icvs4RRt6rSaK-Ys7OHH7p3E0t8HqCRj/view?usp=sharing) |
| TVSP43 | Transmit MIMO Radar Beampattern Design viaOptimization on the Complex Circle Manifold | [PDF/DOC](https://drive.google.com/file/d/1eqfZ9vj3AzTkSH74ho4g4yy6jQJT1mFs/view?usp=sharing) |
| TVSP44 | Two-Dimensional Super-Resolution via ConvexRelaxation | [PDF/DOC](https://drive.google.com/file/d/1KrgzobwzIPZyAbbwkCZoSTb4-Cj__SdI/view?usp=sharing) |
| TVSP45 | Two-Stage Analog Combining in Hybrid Beamforming Systems With Low-Resolution ADCs | [PDF/DOC](https://drive.google.com/file/d/1nWKv7OaMxZRGIC-RwB_GQxj40JFHPxxG/view?usp=sharing) |
| TVSP46 | Two-Timescale Hybrid Compression and Forward for Massive MIMO Aided C-RAN | [PDF/DOC](https://drive.google.com/file/d/1F6NsnlZabSgxXGN_WandAacWMwbyDZF-/view?usp=sharing) |
| TVSP47 | Uncovering Source Ranges From Range DifferencesObserved by Sensors at Unknown Positions Fundamental Theory | [PDF/DOC](https://drive.google.com/file/d/1817IK7lOTCMbHGnRkI98Fd-Ic7SoiiBD/view?usp=sharing) |
| TVSP48 | Unimodality-Constrained Matrix Factorization forNon-Parametric Source Localization | [PDF/DOC](https://drive.google.com/file/d/1gLfwoeLwTNQPoDFgNrGTHtcWoIQR_0C6/view?usp=sharing) |
| TVSP49 | User Selection and Power Minimization in Full-Duplex Cloud Radio Access Networks | [PDF/DOC](https://drive.google.com/file/d/1Liyh5fq0qH3p1KXNveGlmgfZ1Y4M4atI/view?usp=sharing) |
| TVSP50 | Wideband MIMO Radar Waveform Design | [PDF/DOC](https://drive.google.com/file/d/1reIS9MNSewsC-tlWv-1jt02B-3pXMSiM/view?usp=sharing) |