

**Diamond Computer Sales Services Education**  
**Email ID: diamondcomputers2019@gmail.com Contact No. 7276511555**

**Signal Processing**

1	Global Optimality in Low-rank Matrix Optimization
2	Spectral Efficiency of Mixed-ADC Massive MIMO
3	Adaptive Graph Signal Processing: Algorithms and Optimal Sampling Strategies
4	Optimal Sequential Fusion Estimation with Stochastic Parameter Perturbations, Fading Measurements and Correlated Noises
5	ECRB-Based Optimal Parameter Encoding Under Secrecy Constraints
6	Spectrally Compatible Waveform Design for MIMO Radar in the Presence of Multiple Targets
7	Large-Dimensional Behavior of Regularized Maronna's M-Estimators of Covariance Matrices
8	Peak-to-Average Power Control via Tone Reservation in General Orthonormal Transmission Systems
9	Joint System Design for Co-existence of MIMO Radar and MIMO Communication
10	Rank Properties for Matrices Constructed From Time Differences of Arrival
11	Double Coupled Canonical Polyadic Decomposition for Joint Blind Source Separation
12	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach
13	Mitigating Quantization Effects on Distributed Sensor Fusion: A Least Squares Approach
14	Comparing Robustness of the Kalman, $H_\infty$ , and UFIR Filters

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15	A Model Selection Criterion For High-Dimensional Linear Regression
16	Asymptotically Optimal Algorithms for Running Max and Min Filters on Random Inputs
17	Phase Transitions and a Model Order Selection Criterion for Spectral Graph Clustering
18	Spatial- and Frequency-Wideband Effects in Millimeter-Wave Massive MIMO Systems
19	Symbol Error Rate Performance of Box-Relaxation Decoders in Massive MIMO
20	Stochastic Routing and Scheduling Policies for Energy Harvesting Communication Networks
21	Optimal Sensor Collaboration for Parameter Tracking Using Energy Harvesting Sensors
22	Sparse Representation Using Multidimensional Mixed-Norm Penalty With Application to Sound Field Decomposition
23	Intentional Aliasing Method to Improve Sub-Nyquist Sampling System
24	Recovery of Structured Signals with Prior Information via Maximizing Correlation
25	Decentralized DC MicroGrid Monitoring and Optimization via Primary Control Perturbations
26	Quantized Spectral Compressed Sensing: Cramer–Rao Bounds and Recovery Algorithms
27	L1-norm Principal-Component Analysis of Complex Data
28	Decentralized Online Learning with Kernels
29	Inference of Spatio-Temporal Functions Over Graphs via Multikernel Kriged Kalman Filtering
30	On Distributed Linear Estimation With Observation Model Uncertainties

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31	Nonconvex Sparse Logistic Regression With Weakly Convex Regularization
32	<del>Spatial Lattice Modulation for MIMO Systems</del>
33	A Fast Converging Channel Estimation Algorithm for Wireless Sensor Networks
34	Soft Range Information for Network Localization
35	A Modularized Efficient Framework for Non-Markov Time Series Estimation
36	Rectified Gaussian Scale Mixtures and the Sparse Non-Negative Least Squares Problem
37	Efficient Wideband DOA Estimation through Function Evaluation Techniques
38	Sequential Audio-Visual Correspondence With Alternating Diffusion Kernels
39	Pulse-Coupled Oscillators Resilient to Stealthy Attack
40	Performance Analysis of Coarray-Based MUSIC in the Presence of Sensor Location Errors
41	Be the force behind change
42	Rapidly Time-Varying Channel Estimation for Full-Duplex Amplify-and-Forward One-Way Relay Networks
43	Rapidly Time-Varying Channel Estimation for Full-Duplex Amplify-and-Forward One-Way Relay Networks
44	Multiple Object Tracking in Unknown Backgrounds with Labeled Random Finite Sets
45	Inner-outer Support Set Pursuit for Distributed Compressed Sensing

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46	Mutual Information in Frequency and its Application to Measure Cross-Frequency Coupling in Epilepsy
47	Constructing Binary Sequences With Good Correlation Properties: An Efficient Analytical-Computational Interplay
48	Multipair Massive MIMO Relaying Systems with One-Bit ADCs and DACs
49	Blind Estimation of Sparse Broadband Massive MIMO Channels with Ideal and One-bit ADCs
50	Experiments and Models for Decision Fusion by Humans in Inference Networks
51	Massive Connectivity with Massive MIMO–Part II: Achievable Rate Characterization
52	Massive Connectivity with Massive MIMO–Part I: Device Activity Detection and Channel Estimation
53	Low-rank Matrix Recovery from Noisy, Quantized and Erroneous Measurements
54	Learning the MMSE Channel Estimator
55	Using Joint Generalized Eigenvectors of a Set of Covariance Matrix Pencils for Deflationary Blind Source Extraction
56	Beam Design and User Scheduling for Non-Orthogonal Multiple Access with Multiple Antennas Based on Pareto-Optimality
57	Blind Interference Alignment for the K-User MISO BC Under Limited Symbol Extension
58	Application of Manifold Separation to Parametric Localization for Incoherently Distributed Sources
59	On Nonconvex Decentralized Gradient Descent

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60	Phase Retrieval via Reweighted Amplitude Flow
61	Fast Low-Rank Bayesian Matrix Completion with Hierarchical Gaussian Prior Models
62	SILVar: Single Index Latent Variable Models
63	Joint Channel-Estimation and Equalization of Single-Carrier Systems via Bilinear AMP
64	Alternative to Extended Block Sparse Bayesian Learning And its Relation to Pattern-Coupled Sparse Bayesian Learning
65	Beyond Massive MIMO: The Potential of Data Transmission With Large Intelligent Surfaces
66	Minimum Data Length for Integer Period Estimation
67	Tensor Train Neighborhood Preserving Embedding
68	Estimation and Mitigation of Channel Non-Reciprocity in Massive MIMO
69	A Noise Resistant Correlation Method for Period Detection of Noisy Signals
70	Space Time MUSIC: Consistent Signal Subspace Estimation for Wideband Sensor Arrays
71	A Lattice Basis Reduction Approach for the Design of Finite Wordlength FIR Filters
72	On the Existence and Uniqueness of the Eigenvalue Decomposition of a Parahermitian Matrix
73	Efficient System Tracking with Decomposable Graph-Structured Inputs and Application to Adaptive Equalization with Cyclostationary Inputs
74	Fractional Programming for Communication Systems—Part II: Uplink Scheduling via Matching
75	Fractional Programming for Communication Systems—Part I: Power Control and Beamforming

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76	Hierarchical Clustering Given Confidence Intervals of Metric Distances
77	FDD Massive MIMO Channel Estimation with Arbitrary 2D-Array Geometry
78	Classification Based on Euclidean Distance Distribution for Blind Identification of Error Correcting Codes in Non-Cooperative Contexts
79	Performance Analysis for Channel Estimation With 1-Bit ADC and Unknown Quantization Threshold
80	Joint Transmit and Receive Filter Optimization for Sub-Nyquist Delay-Doppler Estimation
81	Weakly-supervised Dictionary Learning
82	Superfast Line Spectral Estimation
83	FDS-MIMO Radar Low-Altitude Beam Coverage Performance Analysis and Optimization
84	Optimal Discrete Spatial Compression for Beamspace Massive MIMO Signals
85	Choice of Quantization Interval for Finite-Energy Fields
86	Resilient Distributed Estimation Through Adversary Detection
87	Opportunistic radar in IEEE 802.11ad networks
88	Analysis of Multistate Autoregressive Models
89	Efficient Compressive Channel Estimation for Millimeter-Wave Large-Scale Antenna Systems
90	Learning Graphs With Monotone Topology Properties and Multiple Connected Components

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91	Global Energy Efficiency Optimization for Wireless-Powered Massive MIMO aided Multi-Way AF Relay Networks
92	Grid Evolution Method for DOA Estimation
93	One-bit Quantized Massive MIMO Detection Based on Variational Approximate Message Passing
94	Mean-Reverting Portfolio With Budget Constraint
95	Decentralized Joint Precoding with Pilot Aided Beamformer Estimation
96	Compressive Sensing with Side Information: How to Optimally Capture this Extra Information for GMM Signals?
97	QoS-Based Linear Transceiver Optimization for Full-Duplex Multi-User Communications
98	On the Amount of Downlink Training in Correlated Massive MIMO Channels
99	Hybrid Analog–Digital Transmit Beamforming for Spectrum Sharing Backhaul Networks
100	System Architecture and Signal Processing for Frequency-Modulated Continuous-Wave Radar using Active Backscatter Tags
101	System Architecture and Signal Processing for Frequency-Modulated Continuous-Wave Radar using Active Backscatter Tags
102	System Architecture and Signal Processing for Frequency-Modulated Continuous-Wave Radar using Active Backscatter Tags
103	System Architecture and Signal Processing for Frequency-Modulated Continuous-Wave Radar using Active Backscatter Tags

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104	1 Spatial Field Reconstruction and Sensor Selection in Heterogeneous Sensor Networks with Stochastic Energy Harvesting
105	Asynchronous Incremental Stochastic Dual Descent Algorithm for Network Resource Allocation
106	Navigation with Cellular CDMA Signals – Part II: Performance Analysis and Experimental Results
107	Navigation with Cellular CDMA Signals – Part I: Signal Modeling and Software-Defined Receiver Design
108	Asymptotic Confidence Regions for High-Dimensional Structured Sparsity
109	A robust parallel algorithm for combinatorial compressed sensing
110	Structure-Aware Bayesian Compressive Sensing for Frequency-Hopping Spectrum Estimation with Missing Observations
111	ToPs: Ensemble Learning With Trees of Predictors
112	On the Use of Extrinsic Probabilities in the Computation of Non-Bayesian Cram�r–Rao Bounds for Coded Linearly Modulated Signals
113	Multiple Scan Data Association by Convex Variational Inference
114	Multiple Scan Data Association by Convex Variational Inference
115	Optimized Update/Prediction Assignment for Lifting Transforms on Graphs
116	Uniform Recovery Bounds for Structured Random Matrices in Corrupted Compressed Sensing
117	Attack Detection in Sensor Network Target Localization Systems with Quantized Data

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118	Blind Radio Tomography
119	Riemannian Optimization and Approximate Joint Diagonalization for Blind Source Separation
120	Asymmetric Pulse Modeling for FRI Sampling
121	Relay Hybrid Precoding Design in Millimeter-Wave Massive MIMO Systems
122	Subspace Rejection for Matching Pursuit in the Presence of Unresolved Targets
123	Optimal Bayesian Kalman Filtering with Prior Update
124	Optimal Bayesian Kalman Filtering with Prior Update
125	Large-scale Kernel-based Feature Extraction via Low-rank Subspace Tracking on a Budget
126	Noise Enhancement in Robust Estimation of Location
127	Editorial A Brief Message From the New Editor-in-Chief
128	Online Distributed Learning Over Networks in RKH Spaces Using Random Fourier Features
129	The Power of Side-Information in Subgraph Detection
130	Sparse Activity Detection for Massive Connectivity
131	Dictionary-Based Tensor Canonical Polyadic Decomposition
132	Algorithm and Architecture of a Low-Complexity and High-Parallelism Preprocessing-Based K-Best Detector for Large-Scale MIMO Systems
133	Accelerated Distributed Dual Averaging Over Evolving Networks of Growing Connectivity

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134	Low-Complexity Massive MIMO Subspace Estimation and Tracking from Low-Dimensional Projections
135	Atomic Norm Minimization for Modal Analysis From Random and Compressed Samples
136	Blind Source Separation Algorithms Using Hyperbolic and Givens Rotations for High-Order QAM Constellations
137	Adaptive Radar Detection Using Two Sets of Training Data
138	Fast Block LMS and RLS-Based Parameter Estimation and Two-Dimensional Imaging in Monostatic MIMO RADAR Systems With Multiple Mobile Targets
139	Beyond Massive MIMO: The Potential of Positioning With Large Intelligent Surfaces
140	Error Analysis of Reconstruction From Linear Canonical Transform Based Sampling
141	Towards Information Privacy for the Internet of Things: A Non-parametric Learning Approach
142	Self-interference Cancellation Through Advanced Sampling
143	Restricted Isometry Property of Gaussian Random Projection for Finite Set of Subspaces
144	MISO Channel Estimation and Tracking from Received Signal Strength Feedback
145	Tradeoffs Between Convergence Speed and Reconstruction Accuracy in Inverse Problems
146	Sketched Subspace Clustering

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147	Power System State Estimation via Feasible Point Pursuit: Algorithms and Cram�er-Rao Bound
148	Decentralized RLS With Data-Adaptive Censoring for Regressions Over Large-Scale Networks
149	Multiple-Threshold Estimators for Impulsive Noise Suppression in Multicarrier Communications
150	Weighted LASSO for Sparse Recovery With Statistical Prior Support Information
151	Performance Bounds for Finite Moving Average Tests in Transient Change Detection
152	Secure Transmission Design With Feedback Compression for the Internet of Things
153	Performance Analysis of Quaternion-Valued Adaptive Filters in Nonstationary Environments
154	Distributed Target Detection With Partial Observation
155	Decentralized Robust Dynamic State Estimation in Power Systems Using Instrument Transformers
156	Transmit Waveform/Receive Filter Design for MIMO Radar With Multiple Waveform Constraints
157	Chromatic Derivatives and Approximations in Practice—Part II: Nonuniform Sampling, Zero-Crossings Reconstruction, and Denoising
158	Chromatic Derivatives and Approximations in Practice—Part I: A General Framework
159	A Compact Formulation for the $\ell_{2,1}$ Mixed-Norm Minimization Problem
160	Detection Performance of the Majority Dominance Rule in m-Ary Relay Trees With Node and Link Failures

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161	Binary Hypothesis Testing With Byzantine Sensors: Fundamental Tradeoff Between Security and Efficiency
162	On the Minimization of Convex Functionals of Probability Distributions Under Band Constraints
163	Sampling Continuous-Time Sparse Signals: A Frequency-Domain Perspective
164	Dynamic Bayesian Multitaper Spectral Analysis
165	Polar-Coded Non-Orthogonal Multiple Access
166	Massive MIMO Antenna Selection: Switching Architectures, Capacity Bounds and Optimal Antenna Selection Algorithms
167	Symbol-Level Precoding for the Nonlinear Multiuser MISO Downlink Channel
168	Power Minimization Based Robust OFDM Radar Waveform Design for Radar and Communication Systems in Coexistence
169	Relaxed Biquadratic Optimization for Joint Filter-Signal Design in Signal-Dependent STAP
170	Pattern Synthesis for Arbitrary Arrays via Weight Vector Orthogonal Decomposition
171	Tensor Similarity in Two Modes
172	Optimal Filter Design for Signal Processing on Random Graphs: Accelerated Consensus
173	Signal Recovery From Unlabeled Samples
174	Lower Bound on the Localization Error in Infinite Networks With Random Sensor Locations
175	Online Anomaly Detection With Minimax Optimal Density Estimation in Nonstationary Environments
176	Fast Algorithms for Designing Unimodular Waveform(s) With Good Correlation Properties

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177	A Multiplier-free Generator for Polyphase Complete Complementary Codes
178	On the Restricted Isometry of the Columnwise Khatri–Rao Product
179	Stochastic L-BFGS: Improved Convergence Rates and Practical Acceleration Strategies
180	Channel Estimation in Broadband Millimeter Wave MIMO Systems With Few-Bit ADCs
181	Outlier-Robust Matrix Completion via p-Minimization
182	Extending the Stansfield Algorithm to Three Dimensions: Algorithms and Implementations
183	Learning Convex Regularizers for Optimal Bayesian Denoising
184	Tunable Adaptive Detection in Colocated MIMO Radar
185	Energy Efficiency in Latency-Constrained Application Offloading From Mobile Clients to Multiple Virtual Machines
186	Stochastic Approximation and Memory-Limited Subspace Tracking for Poisson Streaming Data
187	Bispectrum Inversion With Application to Multireference Alignment
188	A Novel Batch Bayesian WIV Estimator for Three-Dimensional TMA Using Bearing and Elevation Measurements
189	A Compressed Sensing Approach to Block-Iterative Equalizers
190	Optimal Nested Test Plan for Combinatorial Quantitative Group Testing
191	On Fienup Methods for Sparse Phase Retrieval
192	MIMO Radar Waveform Design With PAPR and Similarity Constraints

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193	Complex Factor Analysis and Extensions
194	Nesterov-based Alternating Optimization for Nonnegative Tensor Factorization: Algorithm and Parallel Implementation
195	On Bayesian Exponentially Embedded Family for Model Order Selection
196	Antenna Array Manifolds for High-Resolution Direction Finding
197	A Geometric Approach to Covariance Matrix Estimation and its Applications to Radar Problems
198	A Triad of Cardioid Sensors in Orthogonal Orientation and Spatial Collocation—Its Spatial-Matched-Filter-Type Beam-Pattern
199	Sparse Signal Recovery Using Iterative Proximal Projection
200	Optimized Self-Localization for SLAM in Dynamic Scenes Using Probability Hypothesis Density Filters
201	Wireless Information and Power Transfer: Nonlinearity, Waveform Design, and Rate-Energy Tradeoff
202	Performance Analysis of Linear Receivers for Uplink Massive MIMO FBMC-OQAM Systems
203	A Time-Vertex Signal Processing Framework: Scalable Processing and Meaningful Representations for Time-Series on Graphs
204	Efficient Computation of Bilinear Approximations and Volterra Models of Nonlinear Systems
205	Frequency Locator Polynomial for Wideband Sparse Spectrum Sensing With Multichannel Subsampling
206	Single-RF Index Shift Keying Aided Differential Space-Time Block Coding

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207	Cooperative Network Synchronization: Asymptotic Analysis
208	Sparse Bayesian Learning Approach for Outlier-Resistant Direction-of-Arrival Estimation
209	Joint Node Selection and Power Allocation Strategy for Multitarget Tracking in Decentralized Radar Networks
210	Network Localization and Synchronization Using Full-duplex Radios
211	Robust Linear Regression via $\ell_0$ Regularization
212	Node-Specific Diffusion LMS-Based Distributed Detection Over Adaptive Networks
213	Fast Resampling of Three-Dimensional Point Clouds via Graphs
214	PRUNE: Dynamic and Decidable Dataflow for Signal Processing on Heterogeneous Platforms
215	Distributed Asynchronous Fusion Estimator for Stochastic Uncertain Systems With Multiple Sensors of Different Fading Measurement Rates
216	Compressive Sensing-Based Detection With Multimodal Dependent Data
217	An Efficient Approximation of Spatial Correlation Based on Gauss–Hermite Quadrature
218	Fully Decomposable Compressive Sampling With Joint Optimization for Multidimensional Sparse Representation
219	Statistical Anomaly Detection via Composite Hypothesis Testing for Markov Models
220	Optimal Energy-efficient Source and Relay Precoder Design for Cooperative MIMO-AF Systems
221	Direct Estimation of Density Functionals Using a Polynomial Basis

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222	Semi-blind Channel Estimation for Multiuser Massive MIMO Systems
223	Sensor Scheduling With Time, Energy, and Communication Constraints
224	Low-Complexity Robust MISO Downlink Precoder Design With Per-Antenna Power Constraints
225	Augmented Performance Bounds on Strictly Linear and Widely Linear Estimators With Complex Data
226	Joint Sensor and Relay Power Control in Tracking Gaussian Mixture Targets by Wireless Sensor Networks
227	Sparse Phase Retrieval via Truncated Amplitude Flow
228	Online Joint Power Control for Two-Hop Wireless Relay Networks With Energy Harvesting
229	Building Invariances Into Sparse Subspace Clustering
230	An Augmented Complex-Valued Least-Mean Kurtosis Algorithm for the Filtering of Noncircular Signals
231	An Extended Synchronization Method to Identify Slowly Time-Varying Parameters in Nonlinear Systems
232	Network Comparison: Embeddings and Interiors
233	An Efficient Minorization Maximization Approach for MIMO Radar Waveform Optimization via Relative Entropy
234	Block- and Rank-Sparse Recovery for Direction Finding in Partly Calibrated Arrays
235	Multi-object Tracking for Generic Observation Model Using Labeled Random Finite Sets
236	Coordinate-Descent Diffusion Learning by Networked Agents
237	Analysis and Design of Optimum Sparse Array Configurations for Adaptive Beamforming

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238	Measurement Matrix Design for Phase Retrieval Based on Mutual Information
239	A Covariance-Based Superpositional CPHD Filter for Multisource DOA Tracking
240	A GAMP-Based Low Complexity Sparse Bayesian Learning Algorithm
241	Robust Distributed Fusion With Labeled Random Finite Sets
242	Fast frequency estimation with prior information
243	he Sliding Singular Spectrum Analysis: a Data-Driven Non-Stationary Signal Decomposition Tool
244	Convex recovery of continuous domain piecewise constant images from non-uniform Fourier samples
245	Wireless Energy Beamforming Using Received Signal Strength Indicator Feedback
246	A Closed Equation in Time Domain for Band-Limited Extensions of One-Sided Sequences
247	Coherent Pulsed-FDA Radar Receiver Design With Time-Variance Consideration: SINR and CRB Analysis
248	Coherent Pulsed-FDA Radar Receiver Design With Time-Variance Consideration: SINR and CRB Analysis
249	Gaussian Source Detection and Spatial Spectral Estimation Using a Coprime Sensor Array With the Min Processor
250	Distributed Optimization for Coordinated Beamforming in Multicell Multigroup Multicast Systems: Power Minimization and SINR Balancing

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251	Sparse Portfolios for High-Dimensional Financial Index Tracking
252	Joint Design of Overlaid Communication Systems and Pulsed Radars
253	A Unified Convergence Analysis of the Multiplicative Update Algorithm for Regularized Nonnegative Matrix Factorization
254	Stochastic Subsampling for Factorizing Huge Matrices
255	Shifting Interpolation Kernel Toward Orthogonal Projection
256	A Proportional Time Allocation Algorithm to Transmit Binary Sensor Decisions for Target Tracking in a Wireless Sensor Network
257	Binary Matrices for Compressed Sensing
258	Two-Timescale User-Centric RRH Clustering and Precoding Optimization for Cloud RAN via Local Stochastic Cutting Plane
259	A Second-Order PHD Filter With Mean and Variance in Target Number
260	Greedy Sampling of Graph Signals
261	Robust Cooperative Spectrum Sensing for MIMO Cognitive Radio Networks Under CSI Uncertainty
262	Malicious User Detection Based on Low-Rank Matrix Completion in Wideband Spectrum Sensing
263	MIMO Radar and Cellular Coexistence: A Power-Efficient Approach Enabled by Interference Exploitation

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264	Optimal Training Design for MIMO Systems with General Power Constraints
265	Particle Smoothing for Conditionally Linear Gaussian Models as Message Passing Over Factor Graphs

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