

1	Nonconvex Optimization via Joint Norm Relaxed SQP and Filled Function Method with Application to Minimax Two-Channel Linear Phase FIR QMF Bank Design	1
	Bingo Wing-Kuen Ling, Charlotte Yuk-Fan Ho, and Kok-Lay Teo	
2	Robust Reduced-Rank Adaptive LCMV Beamforming Algorithms Based on Joint Iterative Optimization of Parameters	17
	Rodrigo C. de Lamare	
3	Designing OFDM Radar Waveform for Target Detection Using Multi-objective Optimization	35
	Satyabrata Sen, Gongguo Tang, and Arye Nehorai	
4	Multi-object Tracking Using Particle Swarm Optimization on Target Interactions	63
	Bogdan Kwolek	
5	A Comparative Study of Modified BBO Variants and Other Metaheuristics for Optimal Power Allocation in Wireless Sensor Networks	79
	Ilhem Boussaïd, Amitava Chatterjee, Patrick Siarry, and Mohamed Ahmed-Nacer	
6	Joint Optimization of Detection and Tracking in Adaptive Radar Systems	111
	Murat Şamil Aslan and Afşar Saranlı	
7	Iterative Design of FIR Filters	145
	Bipul Luitel and Ganesh Kumar Venayagamoorthy	
8	A Metaheuristic Approach to Two Dimensional Recursive Digital Filter Design	167
	Abhronil Sengupta, Tathagata Chakraborti, and Amit Konar	

9	A Survey of Kurtosis Optimization Schemes for MISO Source Separation and Equalization	183
	Marc Castella, Eric Moreau, and Vicente Zarzoso	
10	Swarm Intelligence Techniques Applied to Nonlinear Systems State Estimation	219
	Hadi Nobahari, Alireza Sharifi, and Hamed MohammadKarimi	
11	Heuristic Optimal Design of Multiplier-less Digital Filter	243
	Shing-Tai Pan and Cheng-Yuan Chang	
12	Hybrid Correlation-Neural Network Synergy for Gait Signal Classification	263
	Saibal Dutta, Amitava Chatterjee, and Sugata Munshi	
13	Image Denoising Using Wavelets: Application in Medical Imaging	287
	Abdeldjalil Ouahabi	
14	Signal Separation with A Priori Knowledge Using Sparse Representation	315
	Yu Guo and Su Ruan	
15	Definition of a Discrete Color Monogenic Wavelet Transform	333
	Raphael Souillard, Philippe Carré, and Christine Fernandez-Maloigne	
16	On Image Matching and Feature Tracking for Embedded Systems: A State-of-the-Art	357
	Edwige E. Pissaloux, Steve Maybank, and Ramiro Velázquez	
	Index	381