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Topics:

Filter design and structures Fast algorithms Adaptive filters Nonlinear Signals and Systems Multirate filtering and filter banks Signal reconstruction Time-frequency analysis Spectral estimation Higher order spectrum analysis Parameter estimation Detection Array signal processing Statistical signal analysis Signal and system modeling Cyclostationary signal analysis Speech production and perception Speech analysis Speech synthesis Speech coding Speech recognition Speech enhancement and noise reduction Active noise control Active noise reduction Echo cancellation Psychoacoustics Broadband audio coding Signal processing for music Binaural systems Room acoustics Digital transforms HDTV Multidimensional systems Machine vision Image coding Image motion / sequence / video Computed imaging Geophysical and seismic processing Image analysis and segmentation Image filtering, restoration and enhancement Image representation and modeling Pattern recognition Neural networks Fuzzy Systems Evolutionary computation Expert systems Multisensor Data Fusion Architectures and VLSI hardware Programmable signal processors Algorithms and applications mappings Design methology and CAD tools Languages and real time software Real time system estimation Optimization problems in signal processing Radar Sonar Biomedical processing Geophysical signal processing Underwater signal processing Remote sensing Robotics Astronomy Classification Crime on the Web Security. Publicity. Privacy. Reputation Frauds in Business Reputation Satellite signals processing Measure and Instrumentation

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