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PASSIVE VERSUS ACTIVE: VOCAL CLASSIFICATION SYSTEM ([Abstract](#))



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A HIGH PERFORMANCE AND LOW POWER HARDWARE ARCHITECTURE FOR H.264 CAVLC ALGORITHM ([Abstract](#))



A HIGH PERFORMANCE AND LOW COST HARDWARE ARCHITECTURE FOR H.264 TRANSFORM AND QUANTIZATION ALGORITHMS ([Abstract](#))



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TRAJECTORY CLUSTERING FOR AUTOMATIC SPEECH RECOGNITION ([Abstract](#))

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IMPROVED SUPER-RESOLUTION METHOD AND ITS ACCELERATION ([Abstract](#))

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NETWORK ADAPTIVE RATE CONTROL FOR TRANSCODER ([Abstract](#))



H.264 FAST INTRA-PREDICTION MODE DECISION BASED ON FREQUENCY CHARACTERISTIC ([Abstract](#))



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NEW BLIND SOURCE SEPARATION ALGORITHM FOR CYCLOSTATIONARY SIGNAL ESTIMATION  
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COMPLEXITY REGULARIZED VIDEO WATERMARKING VIA QUANTIZATION OF PSEUDO-RANDOM SEMI-GLOBAL LINEAR STATISTICS ([Abstract](#))



**John G. Harris**

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BANDWIDTH EXTENSION OF TELEPHONE SPEECH USING FRAME-BASED EXCITATION AND ROBUST FEATURES ([Abstract](#))

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Ritsumeikan university, Japan

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IMPROVING ROBUSTNESS OF BLIND ADAPTIVE MULTICHANNEL IDENTIFICATION ALGORITHMS USING CONSTRAINTS ([Abstract](#))



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CLASSIFICATION OF CHAOTIC SIGNALS USING HMM CLASSIFIERS: EEG-BASED MENTAL TASK CLASSIFICATION ([Abstract](#))





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KDDI R&D Laboratories Inc., Japan

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HIERARCHICAL SECRET IMAGE SHARING METHOD USING JPEG 2000 CODESTREAM SYNTAX  
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[RANDOM MOTION FOR CAMERA CALIBRATION \(Abstract\)](#)

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INTERPOLATION-BASED MULTI-MODE PRECODING FOR MIMO-OFDM SYSTEMS ([Abstract](#))



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SEPARATION OF DRUMS FROM POLYPHONIC MUSIC USING NON-NEGATIVE MATRIX FACTORIZATION AND SUPPORT VECTOR MACHINE ([Abstract](#))



MODELING MUSICAL SOUNDS WITH AN INTERPOLATING STATE MODEL ([Abstract](#))



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PLATFORM FOR EVALUATION OF EMBEDDED COMPUTER VISION ALGORITHMS FOR  
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OPTIMAL BIT ALLOCATION STRATEGY BASED ON SPATIAL COMPLEXITY AND TEMPORAL CORRELATION ([Abstract](#))

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MULTIMODAL SEGMENTATION COMBINING ACTIVE CONTOURS AND WATERSHEDS ([Abstract](#))

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LOW-POWER IMPLEMENTATION OF A SUBBAND FAST AFFINE PROJECTION ALGORITHM FOR ACOUSTIC ECHO CANCELLATION ([Abstract](#))

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SOUND SIGNAL PROCESSING USING COMPLEX DYNAMIC REPRESENTATION ([Abstract](#))

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THE MEXICAN HAT WAVELET FAMILY. APPLICATION TO POINT SOURCE DETECTION IN COSMIC MICROWAVE BACKGROUND ([Abstract](#))



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A FACTOR GRAPH APPROACH TO DESIGN CLOSE-TO-OPTIMAL RECEIVERS IN THE PRESENCE OF A TIMING UNCERTAINTY. ([Abstract](#))



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KALMAN FILTERING BASED NOISE POWER SPECTRAL DENSITY ESTIMATION FOR SPEECH ENHANCEMENT ([Abstract](#))





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A SYNCHRONIZED LEARNING ALGORITHM FOR NONLINEAR PART IN A LATTICE PREDICTOR  
BASED ADAPTIVE VOLTERRA FILTER ([Abstract](#))



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DYNAMIC VERSUS CONVENTIONAL LAYER SORTING FOR NULLING-AND-CANCELLING BASED MIMO DETECTION ([Abstract](#))

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GRIDDING THE SPOT CENTERS OF MICROARRAY IMAGES ([Abstract](#))

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OPTIMAL BIT ALLOCATION STRATEGY BASED ON SPATIAL COMPLEXITY AND TEMPORAL CORRELATION ([Abstract](#))



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ADAPTIVE CODED MODULATION WITH RECEIVE ANTENNA DIVERSITY AND IMPERFECT CHANNEL KNOWLEDGE AT RECEIVER AND TRANSMITTER ([Abstract](#))



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DOA-DETECTION GUIDED NLMS ADAPTIVE ARRAY ([Abstract](#))

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HANDLING UPDATES OF A BIOLOGICAL SEQUENCE BASED ON HIDDEN MARKOV MODELS  
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AN IMPROVED DOPPLER DIVERSITY TECHNIQUE FOR OFDM SYSTEMS IN TIME-VARYING MULTIPATH FADING CHANNELS ([Abstract](#))

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MODELS FOR BLIND SPEECH DEREVERBERATION: A SUBBAND ALL-POLE FILTERED BLOCK STATIONARY AUTOREGRESSIVE PROCESS ([Abstract](#))

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MEDICAL IMAGES REGISTRATION WITH A HIERARCHICAL ATLAS ([Abstract](#))

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FEATURE EXTRACTION OF ARTIFICIAL TONGUE DATA USING GRAM-SCHMIDT  
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AN ADAPTIVE MOTION ESTIMATION SCHEME USING MAXIMUM MUTUAL INFORMATION CRITERIA  
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BAYESIAN MAXIMUM A POSTERIOR DOA ESTIMATOR BASED ON GIBBS SAMPLING ([Abstract](#))



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 [ARTIFICIAL REVERBERATION USING A HYPER-DIMENSIONAL FDTD MESH \(Abstract\)](#)



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OPTIMAL FAULT-TOLERANT EVENT DETECTION IN WIRELESS SENSOR NETWORKS ([Abstract](#))





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SENSOR VALIDATION FOR FLIGHT CONTROL BY PARTICLE FILTERING ([Abstract](#))



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A LECTURE COURSE SERIES: FROM CONCEPT ENGINEERING TO IMPLEMENTATION OF SIGNAL PROCESSING ALGORITHMS WITH FPGAS ([Abstract](#))

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C- BASED RAPID PROTOTYPING FOR DIGITAL SIGNAL PROCESSING ([Abstract](#))



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ABOUT IMPORTANCE OF POSITIVITY CONSTRAINT FOR SOURCE SEPARATION IN FLUORESCENCE SPECTROSCOPY ([Abstract](#))

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MULTI-STANDARD DEVELOPMENT AND MEASURING PLATFORM FOR MIMO-SOFTWARE DEFINED RADIO ([Abstract](#))

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SINGLE-TRIAL EEG CLASSIFICATION FOR BRAIN-COMPUTER INTERFACE USING WAVELET DECOMPOSITION ([Abstract](#))

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AN EVALUATION OF BRAIN TISSUE CLASSIFICATION IN NON-COMPENSATED ULTRASOUND IMAGES ([Abstract](#))

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GRIDDING THE SPOT CENTERS OF MICROARRAY IMAGES ([Abstract](#))





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LONGER-LENGTH ACOUSTIC UNITS FOR CONTINUOUS SPEECH RECOGNITION ([Abstract](#))



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[EFFICIENT BYTE PERMUTATION REALIZATIONS FOR COMPACT AES IMPLEMENTATIONS \(Abstract\)](#)



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A LOW-COST GPS AIDED INERTIAL NAVIGATION SYSTEM FOR VEHICLE APPLICATIONS ([Abstract](#))

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PARAMETRIZATION OF INHARMONIC BIRD SOUNDS FOR AUTOMATIC RECOGNITION ([Abstract](#))