



D

D'Amours, Claude

Dakovic, Milos

Dane, Gokce

Dapena, Adriana

Davignon, Franck

De Giusti, Andrea

De La Higuera, Pablo Casaseca

De Roover, Cédric

Dainese, Giovanni

Daly, Michael

Daoudi, Khalid

Darbon, Jerome

De Almeida, André

De Haan, Gerard

De Martin, Juan Carlos

De Sanctis, Giovanni



D

De Veth, Johan

De With, Peter H. N.

Debreuve, Eric

Deforges, Olivier

Demirekler, Mubeccel

Demirsoy, Suleyman

Descombes, Xavier

Deshpande, Murali Mohan

De Vito, Fabio

De-Luis-García, Rodrigo

Dedeoglu, Yigithan

Delmas, Jean Pierre

Demirkus, Meltem

Deng, Guang

Deshpande, Ashrith

Devillers, Bertrand



D

Dexter, Scott D.

Díez–García, Mónica

Ding, Mingzhou

Djapic, Relja

Djuric, Petar

Dogancay, Kutluyil

Dokladalova, Eva

Dong, Ming

Dietrich, Frank

Dikici, Cagatay

Diniz, Paulo

Djeddi, Mounir

Dogan, Mehmet Ugur

Dokladal, Petr

Domanski, Marek

Donias, Marc



D

Dorizzi, Bernadette
Draper, Matthew
Drygajlo, Andrzej
Du, Lan
Dubois, Jean-Pierre
Duckett, Tom
Dulek, Berkan
Dumas, Jean Michel

Doukopoulos, Xenofon
Draper, Stark
Du, David H. C.
Duan, Zhisheng
Duchêne, Jacques
Duhamel, Pierre
Duman, Fazil
Dumez-Viou, Cedric



D

Duong, Duc V.

Dupont, Stéphane

Durisi, Giuseppe

Duval, Laurent

Dvorkind, Tsvi

D'Alessandro, Nicolas

Dupont, Florent

Durak, Lutfiye

Dutoit, Thierry

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THE USE OF DECORRELATION AND CODE DIVISION MULTIPLEXED PILOTS FOR DS-CDMA SYSTEMS WITH MULTIAN TENNA RECEIVERS ([Abstract](#))



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ACCURATE DEPTH-MAP ESTIMATION FOR 3D FACE MODELING ([Abstract](#))

Letter-D

Menu



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IMPROVEMENT OF THE FAST MOVING TARGETS PRESENTATION IN ISAR BY USING THE S-METHOD ([Abstract](#))



ALGORITHM FOR SIGNAL DECOMPOSITION BY USING THE S-METHOD ([Abstract](#))

Letter-D

Menu



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 [MARGINALIZED PARTICLE FILTERING FOR BLIND SYSTEM IDENTIFICATION \(Abstract\)](#)



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QUALITY ENHANCEMENT IN STANDARD COMPLIANT FRAME RATE UP CONVERSION BY MOTION SMOOTHING ([Abstract](#))



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SVM SPEAKER VERIFICATION USING A NEW SEQUENCE KERNEL ([Abstract](#))

Letter-D

Menu



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PREDICTING FACES IN VIDEO SEQUENCES USING EIGENSPACE UPDATE ALGORITHMS ([Abstract](#))



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 [AN EFFICIENT ALGORITHM FOR ATTRIBUTE OPENINGS AND CLOSINGS \(Abstract\)](#)

Letter-D

Menu



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 VARIABLE BANDWIDTH MEAN SHIFT FOR SMOOTHING ULTRASONIC IMAGES ([Abstract](#))

 MULTIPARAMETRIC SMOOTHING BASED ON MEAN SHIFT PROCEDURE FOR ULTRASOUND DATA SEGMENTATION ([Abstract](#))



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PARAFAC RECEIVER FOR BLIND MULTIUSER EQUALIZATION IN WIRELESS COMMUNICATION SYSTEMS WITH TEMPORAL OVERSAMPLING ([Abstract](#))



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CONTEXT-BASED PREDICTIVE LOSSLESS CODING FOR HYPERSPECTRAL IMAGES ([Abstract](#))

Letter-D

Menu



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VISUAL QUALITY ASSESSMENT OF LENTICULAR BASED 3D-DISPLAYS ([Abstract](#))



CLASSIFICATION BASED DATA MIXING FOR HYBRID DE-INTERLACING TECHNIQUES ([Abstract](#))

Letter-D

Menu



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WEANING FROM MECHANICAL VENTILATION: FEATURE EXTRACTION FROM A STATISTICAL SIGNAL PROCESSING VIEWPOINT ([Abstract](#))



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VARIABLE TIME-SCALE STREAMING FOR MULTIMEDIA TRANSMISSION OVER IP NETWORKS
([Abstract](#))



ON THE EFFECTS OF ENCODER-DECODER CONCEALMENT MISMATCH ON VIDEO DISTORTION ESTIMATION ([Abstract](#))



LOSSLESS VIDEO CODING USING MULTI-FRAME MOTION COMPENSATION ([Abstract](#))



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



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AN INTEGRATED SYSTEM FOR THE AUTOMATIC BLOCK-WISE SYNTHESIS OF SOUNDS ([Abstract](#))

Letter-D

Menu



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



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



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ON THE EFFECTS OF ENCODER-DECODER CONCEALMENT MISMATCH ON VIDEO DISTORTION ESTIMATION ([Abstract](#))



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CODING DEPTH IMAGES WITH PIECEWISE LINEAR FUNCTIONS FOR MULTI-VIEW SYNTHESIS
([Abstract](#))



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WEANING FROM MECHANICAL VENTILATION: FEATURE EXTRACTION FROM A STATISTICAL SIGNAL PROCESSING VIEWPOINT ([Abstract](#))



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



A JOINT MOTION SEGMENTATION ALGORITHM FOR VIDEO CODING ([Abstract](#))

Letter-D

Menu



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WAVELET BASED REAL-TIME SMOKE DETECTION IN VIDEO ([Abstract](#))

Letter-D

Menu



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SYNDEX EXECUTIVE KERNELS FOR FAST DEVELOPMENT OF APPLICATIONS OVER HETEROGENEOUS ARCHITECTURES ([Abstract](#))

Letter-D

Menu



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ASYMPTOTICALLY MINIMUM VARIANCE ESTIMATOR IN THE SINGULAR CASE ([Abstract](#))



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A DYNAMIC PROGRAMMING APPROACH TO CONTEXT-FREE VOICE TRANSFORMATION ([Abstract](#))



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A ROBUST METHOD TO IDENTIFY FAULTS IN CORRELATED SENSORS IN MACHINE CONDITION MONITORING ([Abstract](#))



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EFFICIENT FPGA IMPLEMENTATION OF AN ADAPTIVE IQ-IMBALANCE CORRECTOR FOR COMMUNICATION RECEIVERS USING REDUCED RANGE MULTIPLIERS ([Abstract](#))



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IMAGE DENOISING USING OVER-COMPLETE WAVELET REPRESENTATIONS ([Abstract](#))



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EXTRACTION OF HYDROGRAPHIC NETWORKS FROM SATELLITE IMAGES USING A HIERARCHICAL MODEL WITHIN A STOCHASTIC GEOMETRY FRAMEWORK. ([Abstract](#))

Letter-D

Menu



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 [A NEW MULTI-ALGORITHM APPROACH TO SPARSE SYSTEM ADAPTATION \(Abstract\)](#)



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A NOVEL BWE SCHEME BASED ON SPECTRAL PEAKS IN G.729 COMPRESSED DOMAIN ([Abstract](#))

Letter-D

Menu



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BIT RATE COMPARISON BETWEEN MIMO CYCLICALLY PREFIXED SINGLE CARRIER AND MULTICARRIER TRANSMISSIONS ([Abstract](#))



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ROBUST DCT-SVD DOMAIN IMAGE WATERMARKING FOR COPYRIGHT PROTECTION: EMBEDDING DATA IN ALL FREQUENCIES ([Abstract](#))

Letter-D

Menu



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LINEAR PRECODING BASED ON A STOCHASTIC MSE CRITERION ([Abstract](#))

Letter-D

Menu



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A LOSSLESS COMPRESSION ALGORITHM BASED ON PREDICTIVE CODING FOR VOLUMETRIC MEDICAL DATASETS ([Abstract](#))

Letter-D

Menu



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DISTRIBUTED SOURCE CODING OF STILL IMAGES ([Abstract](#))



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COPING WITH TRIAL-TO-TRIAL VARIABILITY OF EVENT RELATED SIGNALS: A BAYESIAN INFERENCE APPROACH ([Abstract](#))

Letter-D

Menu



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A SET-MEMBERSHIP APPROACH TO NORMALIZED PROPORTIONATE ADAPTATION ALGORITHMS
([Abstract](#))

Letter-D

Menu



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BLIND SYNCHRONIZATION IN MULTIUSER TRANSMIT-REFERENCE UWB SYSTEMS ([Abstract](#))

Letter-D

Menu



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A TWO PARALLEL EXTENDED KALMAN FILTERING ALGORITHM FOR THE ESTIMATION OF CHIRP SIGNALS IN NON-GAUSSIAN NOISE ([Abstract](#))



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DECISION FUSION FOR DISTRIBUTED TARGET TRACKING USING COST REFERENCE PARTICLE FILTERING ([Abstract](#))

Letter-D

Menu



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TREN- TURKISH SPEECH RECOGNITION PLATFORM ([Abstract](#))



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UWB PRECISION GEOLOCATION USING FFT INTERPOLATION ([Abstract](#))



3D PASSIVE LOCALIZATION IN THE PRESENCE OF LARGE BEARING NOISE ([Abstract](#))



REDUCED COMPLEXITY NLMS ALGORITHM FOR BLIND ADAPTIVE MULTIUSER DETECTION ([Abstract](#))



RECENT ADVANCES IN PARTIAL UPDATE AND SPARSE ADAPTIVE FILTERS ([Abstract](#))



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FAST IMPLEMENTATION OF VARIATIONAL, CONTOUR-BASED OBJECT TRACKING ([Abstract](#))

Letter-D

Menu



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 [FAST IMPLEMENTATION OF VARIATIONAL, CONTOUR-BASED OBJECT TRACKING \(Abstract\)](#)

Letter-D

Menu



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ADAPTIVE DICTIONARIES FOR MATCHING PURSUIT WITH SEPARABLE DECOMPOSITION ([Abstract](#))



VIDEO FRAME SEGMENTATION USING COMPETITIVE CONTOURS ([Abstract](#))



SPIRAL SCAN IN VIDEO COMPRESSION ([Abstract](#))



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

Letter-D

Menu



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THREE-DIMENSIONAL AUTOREGRESSIVE PARAMETER ESTIMATION FROM NOISY DATA ([Abstract](#))

Letter-D

Menu



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MULTIMODAL BIOMETRIC SCORE FUSION: THE MEAN RULE VS. SUPPORT VECTOR CLASSIFIERS
([Abstract](#))



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 THE FAST DATA PROJECTION METHOD FOR STABLE SUBSPACE TRACKING ([Abstract](#))



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STATISTICAL AND NEURAL TECHNIQUES FOR PROCESSING OF NONPARAMETRIC GEOPHYSICAL MINE DATA ([Abstract](#))



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ON BLIND COMPRESSION OF ENCRYPTED DATA APPROACHING THE SOURCE ([Abstract](#))



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ERROR HANDLING IN MULTIMODAL BIOMETRIC SYSTEMS USING RELIABILITY MEASURES
([Abstract](#))



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HANDLING UPDATES OF A BIOLOGICAL SEQUENCE BASED ON HIDDEN MARKOV MODELS
([Abstract](#))

Letter-D

Menu



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A WEIGHTED FEATURE REDUCTION METHOD FOR POWER SPECTRA OF RADAR HRRPS ([Abstract](#))



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SPECIAL LOW-ORDER IIR FILTER BANK DESIGN ([Abstract](#))

Letter-D

Menu



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ESTIMATION OF THE SNR FOR WIRELESS SYSTEMS IN A LOCAL FADING ENVIRONMENT WITH MULTI-ELEMENT ANTENNAS ([Abstract](#))

Letter-D

Menu



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THE USE OF WAVELET PACKETS FOR EVENT DETECTION ([Abstract](#))

Letter-D

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3D MODELING OF INDOOR ENVIRONMENTS BY A MOBILE PLATFORM WITH A LASER SCANNER AND PANORAMIC CAMERA ([Abstract](#))

Letter-D

Menu



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ORTHONORMAL NON-UNIFORM B-SPLINE SCALING AND WAVELET BASES ON NON-EQUALLY SPACED KNOT SEQUENCE FOR MULTIREOLUTION SIGNAL APPROXIMATIONS ([Abstract](#))



JOINT SOURCE-CHANNEL CODING FOR LATTICE WATERMARKING ([Abstract](#))

Letter-D

Menu



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DETECTION OF EMPTY HAZELNUTS FROM FULLY DEVELOPED NUTS BY IMPACT ACOUSTICS
([Abstract](#))

Letter-D

Menu



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 [AUTOMATIC SLEEP SPINDLE DETECTION AND LOCALIZATION ALGORITHM \(Abstract\)](#)

Letter-D

Menu



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PERFORMANCES OF TURBO SAGE BASED EQUALIZER FOR MULTIUSER MULTICARRIER SPACE TIME BLOCK CODED SYSTEM ([Abstract](#))

Letter-D

Menu



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 [ROBUST MEAN ESTIMATION FOR REAL-TIME BLANKING IN RADIOASTRONOMY \(Abstract\)](#)



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



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HIGH RATE COMPRESSION OF 3D MESHES USING A SUBDIVISION SCHEME ([Abstract](#))



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BIMODAL COMBINATION OF SPEECH AND HANDWRITING FOR IMPROVED WORD RECOGNITION
([Abstract](#))



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GENERALIZATION OF TIME-FREQUENCY SIGNAL REPRESENTATIONS TO JOINT FRACTIONAL FOURIER DOMAINS ([Abstract](#))

Letter-D

Menu



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ON THE IMPLEMENTATION OF A TRANSMITTED-REFERENCE UWB RECEIVER ([Abstract](#))



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HNR EXTRACTION IN VOICED SPEECH, ORIENTED TOWARDS VOICE QUALITY ANALYSIS ([Abstract](#))



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



MAXMBROLA : A MAX/MSP MBROLA-BASED TOOL FOR REAL-TIME VOICE SYNTHESIS ([Abstract](#))

Letter-D

Menu



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A NON-SEPARABLE 2D COMPLEX MODULATED LAPPED TRANSFORM AND ITS APPLICATIONS TO SEISMIC DATA FILTERING ([Abstract](#))

Letter-D

Menu



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ANALYSIS BANKS, SYNTHESIS BANKS, LPTV FILTERS: PROPOSITION OF AN EQUIVALENCE DEFINITION APPLICATION TO THE DESIGN OF INVERTIBLE LPTV FILTERS ([Abstract](#))



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 [OPTIMAL SQUARED-ERROR SIGNAL RECOVERY FROM NONIDEAL SAMPLES \(Abstract\)](#)

Letter-D

Menu



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COMPARATIVE STUDY OF TWO INFORMED EMBEDDING STRATEGIES FOR AUDIO
SPREAD-SPECTRUM DATA HIDING SYSTEMS ([Abstract](#))



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MAXMBROLA : A MAX/MSP MBROLA-BASED TOOL FOR REAL-TIME VOICE SYNTHESIS ([Abstract](#))