



Papers



DISTRIBUTED AND CENTRALIZED POWER CONTROL ALGORITHMS FOR VERY HIGH SPEED DIGITAL SUBSCRIBER LINES (VDSL) UPSTREAM TRANSMISSION ([Abstract](#))

Adnan Rashdi



EFFICIENT ECG BACKGROUND NORMALIZATION ([Abstract](#))

Mohammad Hossein Sedaaghi



THE OPTIMAL DIRECT DESIGN OF BANDPASS WAVE DIGITAL LADDER FILTERS FOR DISTINCTLY SPECIFIED AMPLITUDES IN THE TWO STOPBANDS ([Abstract](#))

Mohamed Yaseen



BOAT-GENERATED ACOUSTIC TARGET SIGNAL DETECTION BY USE OF AN ADAPTIVE MEDIAN CFAR AND MULTI-FRAME INTEGRATION ALGORITHM ([Abstract](#))

Eric Dahai Cheng, Massimo Piccardi, Tony Jan



P PHASE AND S PHASE DETECTION USING THE DAUBECHIES WAVELET TRANSFORM (DWT) ([Abstract](#))

Omer Halil Colak



THE GAUSSIAN TRANSFORM ([Abstract](#))

Teodor Iulian Alecu, Sviatoslav Voloshynovskiy, Thierry Pun



DENOISING WITH INFINITE MIXTURE OF GAUSSIANS ([Abstract](#))

Teodor Iulian Alecu, Sviatoslav Voloshynovskiy, Thierry Pun



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

Alexander Sverdlov, Scott D. Dexter, Ahmet M. Eskicioglu



Papers



[RATE-OPTIMAL MULTIUSER SCHEDULING WITH REDUCED FEEDBACK LOAD AND ANALYSIS OF DELAY EFFECTS](#)

[\(Abstract\)](#)

Vegard Hassel, Mohamed-Slim Alouini, Geir Egil Øien, David Gesbert



[SYNCHRONIZATION OF ENERGY CAPTURE RECEIVERS FOR UWB APPLICATIONS](#) [\(Abstract\)](#)

Cecilia Carbonelli, Umberto Mengali



[DESIGN AND IMPLEMENTATION OF A NEW PERSIAN DIGITS OCR ALGORITHM ON FPGA CHIPS](#) [\(Abstract\)](#)

Navid Toosizadeh, Mohammad Eshghi



[AN IMPROVED VARIABLE TAP-LENGTH ALGORITHM FOR STRUCTURE ADAPTATION](#) [\(Abstract\)](#)

Yu Gong, Colin Cowan



[ADAPTIVE LAGUERRE-VOLTERRA FILTERS OPTIMIZATION BASED ON LAGUERRE SPECTRA](#) [\(Abstract\)](#)

G rard Favier, Alain Yuwa Kibangou, Moha Hassani



[POWER RATIO DEFINITIONS AND ANALYSIS IN SINGLE CARRIER MODULATIONS](#) [\(Abstract\)](#)

Yves Louet, Jacques Palicot



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

Taskin Kocak, Matthew Draper



[A FULL-REFERENCE COLOR IMAGE QUALITY MEASURE IN THE DWT DOMAIN](#) [\(Abstract\)](#)

Devon Gayle, Hazem Mahlab, Yuksel Ucar, Ahmet M. Eskicioglu

[Back](#)

[Menu](#)

[Next](#)



Papers



[NON-UNITARY EXTENSIONS OF DIFFERENTIAL MATRIX MODULATION](#) ([Abstract](#))

Gerhard Bauch, Anil Mengi



[A NO-REFERENCE BLOCKING ARTIFACT MEASURE FOR ADAPTIVE VIDEO PROCESSING](#) ([Abstract](#))

Remco Muijs, Ihor Kirenko



[RELIABLE IMAGE/VIDEO WATERMARK RETRIEVAL IN THE PRESENCE OF LOSSY COMPRESSION](#) ([Abstract](#))

Qing Chen, Henri Maitre



[IMPROVING THE INITIALISATION AND RELIABILITY OF THE SELF ORGANISING OSCILLATOR NETWORK](#) ([Abstract](#))

Sameh Salem, Lindsay Jack, Asoke K. Nandi



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

Duc V. Duong, Geir Egil Øien, Kjell J. Hole



[ITERATIVE SOURCE CODED MODULATION: EXIT CHARTS, COMPLEXITY COMPARISONS AND NEW INDEX ASSIGNMENTS](#) ([Abstract](#))

Thorsten Clevorn, Peter Vary



[MULTIPATH EFFECT MITIGATION IN LPTV-BASED MULTIPLE ACCESS SYSTEM](#) ([Abstract](#))

Bogdan Cristea, Daniel Roviras, Benoit Escrig



[PREDICTIVE VECTOR QUANTIZATION OF 3-D POLYGONAL MESH GEOMETRY BY REPRESENTATION OF VERTICES IN LOCAL COORDINATE SYSTEMS](#) ([Abstract](#))

Ulug Bayazit, Ozgur Orcay, Umut Konur, Fikret Gurgun

[Back](#)

[Menu](#)

[Next](#)



Papers



COMPLEX-VALUED FIR SEISMIC MIGRATION FILTER DESIGN USING PURE AND RELAXED PROJECTION ALGORITHMS

[\(Abstract\)](#)

Wail Mousa, Said Boussakta, Desmond McLernon



ORDER STATISTICS-BASED UNBIASED HOMOMORPHIC SYSTEM TO REDUCE MULTIPLICATIVE NOISE [\(Abstract\)](#)

Debashis Sen, M. N. S. Swamy, M. Omair Ahmad



EXTRACTION OF 3D NAVIGATION SPACE IN VIRTUAL URBAN ENVIRONMENTS [\(Abstract\)](#)

Türker Yilmaz, Ugur Gudukbay



OPTIMIZATION OF NONUNIFORM PLANAR ARRAY GEOMETRY FOR DIRECTION OF ARRIVAL ESTIMATION [\(Abstract\)](#)

Toygar Birinci, Yalçın Tanik



ACHIEVABLE RATE ANALYSIS OF GEOMETRICALLY ROBUST DATA-HIDING CODES IN ASYMPTOTIC SET-UPS [\(Abstract\)](#)

Emre Topak, Sviatoslav Voloshynovskiy, Oleksiy Koval, Thierry Pun



ADAPTABLE MATHEMATICAL MORPHOLOGY IN D DIMENSIONS USING THE SEPARABLE EUCLIDEAN DT IN D+1 DIMENSIONS [\(Abstract\)](#)

Olivier Cuisenaire



AN EFFICIENT SVD UPDATE ALGORITHM AND APPLICATIONS TO MIMO COMMUNICATIONS [\(Abstract\)](#)

Tricia Willink



HIERARCHICAL CELLULAR TREE: AN EFFICIENT INDEXING METHOD FOR BROWSING AND NAVIGATION IN MULTIMEDIA DATABASES [\(Abstract\)](#)

Serkan Kiranyaz

[Back](#)

[Menu](#)

[Next](#)



Papers

 [DESIGN AND IMPLEMENTATION OF A PROGRAMMABLE APNEA MONITORING SYSTEM](#) ([Abstract](#))

Mustafa Cavusoglu, Osman Erogul, Ziya Telatar

 [BALLISTOCARDIOGRAM DIAGNOSIS USING NEURAL NETWORKS AND SHIFT-INVARIANT DAUBECHIES WAVELET TRANSFORM](#) ([Abstract](#))

Alireza Akhbardeh, Mikko Koivuluoma, Teemu Koivistoinen, Alpo Värri

 [A FRAMEWORK FOR FPGA BASED DISCRETE BIORTHOGONAL WAVELET TRANSFORMS IMPLEMENTATION](#) ([Abstract](#))

Isa Servan Uzun, Abbas Amira

 [LINE SPECTRAL PROPERTIES OF QUADRATIC MODELS](#) ([Abstract](#))

Tom Bäckström

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

André De Almeida, Gérard Favier, Joao Mota

 [MINIMUM-PHASE FIR FILTER DESIGN USING REAL CEPSTRUM](#) ([Abstract](#))

Soo-Chang Pei, Huei-Shan Lin

 [NULL-STEERING BEAMSPACE TRANSFORMATION DESIGN FOR ROBUST DATA REDUCTION](#) ([Abstract](#))

Minghui Li, Yilong Lu

 [3D TRACKING OF LICENSE PLATE FROM MONOCULAR CAMERA VIEW](#) ([Abstract](#))

Ilhan Kubilay Yalçın

[Back](#)

[Menu](#)

[Next](#)



Papers

 [A BLIND SPATIO TEMPORAL EQUALIZATION OPERATING ON A POLARIZATION](#) ([Abstract](#))

Yvon Erhel, Clency Perrine, Dominique Lemur, Alain Bourdillon

 [GENERATION OF SYNTHETIC SPEECH FROM TURKISH TEXT](#) ([Abstract](#))

Hasim Sak, Tunga Güngör, Yasar Safkan

 [EXTRACTION OF TARGET FEATURES USING INFRARED INTENSITY SIGNALS](#) ([Abstract](#))

Tayfun Aytac, Billur Barshan

 [A NON-PARAMETRIC ML ESTIMATOR WITH UNKNOWN CHANNEL ORDER](#) ([Abstract](#))

Yu Gong, Vimal Bhatia, Bernard Mulgrew, Colin Cowan

 [WAVELET DOMAIN IMAGE RESOLUTION ENHANCEMENT USING CYCLE SPINNING AND EDGE MODELLING](#) ([Abstract](#))

Alptekin Temizel, Theo Vlachos

 [NON-PARAMETRIC ML CHANNEL ESTIMATOR AND DETECTOR FOR OFDM](#) ([Abstract](#))

Vimal Bhatia, Bernard Mulgrew, David Falconer

 [REAL-TIME NETWORK-AWARE OPTIMAL RATE CONTROL FOR VIDEO COMMUNICATION NETWORKS USING AN AUGMENTED STATE FEEDBACK CONTROLLER](#) ([Abstract](#))

Bulent Cavusoglu, Dan Schonfeld, Rashid Ansari

 [ARCHITECTURAL OPTIMIZATIONS FOR SOFTWARE-BASED MPEG4 VIDEO ENCODER](#) ([Abstract](#))

Farooq Nasim, Shahid Masud, Nadeem Khan, Kamran Virk, Ayesha Farrukh









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [EFFECT OF NORMALIZATION OF EIGENVECTORS ON THE PAST AND RP ALGORITHMS FOR PCA](#) ([Abstract](#))
Ronnie Landqvist, Abbas Mohammed
-  [A LOW COMPLEXITY MOTION ESTIMATION ALGORITHM FOR VIDEO CODING APPLICATIONS](#) ([Abstract](#))
Kamran Virk, Nadeem Khan, Shahid Masud, Farooq Nasim, Syed Idris
-  [PARTICLE FILTERING FOR QUANTIZED SENSOR INFORMATION](#) ([Abstract](#))
Rickard Karlsson, Fredrik Gustafsson
-  [ENHANCED LINE SEARCH : A NOVEL METHOD TO ACCELERATE PARAFAC](#) ([Abstract](#))
Myriam Rajih, Pierre Comon
-  [A STOP & GO PRE-WHITENED SIGN ALGORITHM](#) ([Abstract](#))
Hichem Besbes, Sofia Ben Jebara
-  [MULTIMODAL SYSTEM FOR HANDS-FREE PC CONTROL](#) ([Abstract](#))
Andrey Ronzhin, Alexey Karpov, Alexander Nechaev, Svetlana Chernakova
-  [CAN WE ALWAYS TRUST ENTROPY MINIMA IN THE ICA CONTEXT ?](#) ([Abstract](#))
Frédéric Vrins, John Aldo Lee, Michel Verleysen
-  [DESIGN CONSIDERATIONS FOR REAL-TIME SYSTEMS WITH DSP AND RISC ARCHITECTURES](#) ([Abstract](#))
Iskender Serhat Koç

[Back](#)

[Menu](#)

[Next](#)



Papers



OPTIMAL SAMPLING OF MULTIDIMENSIONAL PERIODIC BAND-LIMITED SIGNALS ([Abstract](#))

Sayit Korkmaz



CRYPTO-COMPRESSION OF MEDICAL IMAGES BY SELECTIVE ENCRYPTION OF DCT ([Abstract](#))

William Puech, José Marconi Rodrigues



ON THE REPRESENTATION ERROR OF DIGITIZED SIGNALS ([Abstract](#))

Hagai Kirshner, Moshe Porat



PEAK POWER REDUCTION IN OFDM SYSTEMS USING DYNAMIC CONSTELLATION SHAPING ([Abstract](#))

Serdar Sezginer, Hikmet Sari



A SUPERRESOLUTION APPROACH FOR BAR CODE READING ([Abstract](#))

Rusen Oktem, Levent Oktem



SAFE ROIS OF COLOR IMAGES BY INDUCTIVE DATA HIDING ([Abstract](#))

Gregory Lo-Varco, William Puech



FAST MULTI-FRAME REFERENCE VIDEO ENCODING WITH KEY FRAMES ([Abstract](#))

Nukhet Ozbek, A. Murat Tekalp



THE USE OF HILBERT TRANSFORM ON DSNR ANALYSIS OF STEP AND RIDGE EDGE DETECTION ([Abstract](#))

Emir Tufan Akman

[Back](#)

[Menu](#)

[Next](#)



Papers



ICA BY MUTUAL INFORMATION MINIMIZATION: AN APPROACH FOR AVOIDING LOCAL MINIMA ([Abstract](#))

Massoud Babaie-Zadeh, Bahman Bahmani, Christian Jutten



FREQUENCY SELECTIVE FADING CHANNEL ESTIMATION IN OFDM SYSTEMS USING KL EXPANSION ([Abstract](#))

Habib Senol, Hakan Ali Cirpan, Erdal Panayirci



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

Soroosh Solhjoo, Ali Motie Nasrabadi, Mohammad Reza Hashemi Golpayegani



REMOVAL OF THE PHASE NOISE IN THE AUTOCORRELATION ESTIMATES WITH DATA WINDOWING ([Abstract](#))

Mustafa A. Altinkaya, Emin Anarim, Bülent Sankur



NEW BLIND SOURCE SEPARATION ALGORITHM FOR CYCLOSTATIONARY SIGNAL ESTIMATION BASED ON SECOND ORDER STATISTICS ([Abstract](#))

Noureddine Bouguerriou, Cecile Capdessus, Michel Haritopoulos, Stephanie Bretteil, Lévi Allam



SIGNAL TRACKING PROPERTIES OF A CLASS OF ADAPTIVE NOTCH FILTERS ([Abstract](#))

Maciej Niedzwiecki, Piotr Kaczmarek



TENSION MODULATED NONLINEAR 2D MODELS FOR DIGITAL SOUND SYNTHESIS WITH THE FUNCTIONAL TRANSFORMATION METHOD ([Abstract](#))

Stefan Petrusch, Rudolf Rabenstein



IMAGE WATERMARKING BASED ON WAVELET HARD THRESHOLDING ([Abstract](#))

Mahmood Al-Khassaweneh, Selin Aviyente

[Back](#)

[Menu](#)

[Next](#)



Papers

 [A TIME-FREQUENCY BASED PERCEPTUAL AND ROBUST WATERMARKING SCHEME](#) ([Abstract](#))

Mahmood Al-Khassaweneh, Selin Aviyente

 [WARPED DISCRETE COSINE TRANSFORM CEPSTRUM: A NEW FEATURE FOR SPEECH PROCESSING](#) ([Abstract](#))

Muralishankar Rangarao, Abhijeet Sangwan, Douglas O'Shaughnessy

 [SEARCH WINDOW ESTIMATION ALGORITHM FOR FAST AND EFFICIENT H.264 VIDEO CODING WITH VARIABLE SIZE BLOCK CONFIGURATION](#) ([Abstract](#))

Gianluca Bailo, Ivano Barbieri, Massimo Bariani, Marco Raggio

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

B. Ugur Töreyn, Yigithan Dedeoglu, A. Enis Cetin

 [COMPARATIVE PERFORMANCE OF TIME-FREQUENCY BASED EEG SPIKE DETECTION TECHNIQUES](#) ([Abstract](#))

Hamid Hassanpour, Luke Rankine, Mostefa Mesbah, Boualem Boashash

 [DESIGN OF UNEQUAL-LENGTH LINEAR-PHASE FILTER BANKS WITHOUT REDUNDANCY](#) ([Abstract](#))

Yuichi Tanaka, Akihiro Ochi, Masaaki Ikehara

 [DESIGN OF CHANNEL-RESILIENT DFT BANK TRANSCEIVERS](#) ([Abstract](#))

Tzung-Hwui Luo, Chih-Hao Liu, See-May Phoong, Yuan-Pei Lin

 [SIMULATION OF A DIGITAL COMMUNICATION SYSTEM](#) ([Abstract](#))

Alpaslan Gungor, Feza Arıkan, Orhan Arıkan

[Back](#)

[Menu](#)

[Next](#)



Papers



WEIGHTED AVERAGE INSTANTANEOUS FREQUENCY BASED ON ([Abstract](#))

Desmond McLernon, Sedigheh Ghofrani, Ahmad Ayatollahi



IMPROVEMENTS ON ISOLATED WORD RECOGNITION USING SUBSPACE METHODS ([Abstract](#))

M. Bilginer Gulmezoglu



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

Hasan Palaz, Alper Kanak, Yucel Bicil, Mehmet Ugur Dogan, Tuba Islam



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

Francisco Argüeso, Joaquin Gonzalez-Nuevo, Jose Luis Sanz, L. Toffolatti, P. Vielva, Diego Herranz, Marcos Lopez-Caniego



IMPROVING COMPRESSION RATIO FOR SATELLITE TRANSMISSION BY USE OF CLOUD EXTRACTION ([Abstract](#))

Rusen Oktem, Oguz Benderli, Neslin Ismailoglu



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

A. Enis Cetin, Ibrahim Onaran, Tom Pearson, Yasemin Yardimci, Berkan Dulek



GAUSSIAN CHANNEL MODEL FOR MACROCELLULAR MOBILE PROPAGATION ([Abstract](#))

Damian Bevan, Victor Ermolayev, Alexander Flaksman, Ilya Averin, Peter Grant



BLIND DIFFERENTIAL SCHEMES FOR CDMA ON DISPERSIVE MIMO CHANNELS ([Abstract](#))

Emanuele Grossi, Marco Lops, Luca Venturino

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Ljubisa Stankovic, Thayananthan Thayaparan, Milos Dakovic



[AN EFFICIENT FAST STEREO ECHO CANCELER BY PAIRWISE OPTIMAL WEIGHT REALIZATION TECHNIQUE](#) ([Abstract](#))

Masahiro Yukawa, Noriaki Murakoshi, Isao Yamada



[DIGITAL COMPUTATION OF THE FRACTIONAL MELLIN TRANSFORM](#) ([Abstract](#))

Edip Biner, Olcay Akay



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

Ljubisa Stankovic, Thayananthan Thayaparan, Milos Dakovic



[A NEW CODING METHOD FOR SPEECH AND AUDIO SIGNALS](#) ([Abstract](#))

Ümit Güz, Hakan Gürkan, B. Siddik Yarman



[CODE-AIDED JOINT CHANNEL AND FREQUENCY ESTIMATION FOR A ST-BICM MULTI-USER DS-CDMA SYSTEM](#) ([Abstract](#))

Mamoun Guenach, Frederik Simoens, Henk Wymeersch, Marc Moeneclaey



[FACE RECOGNITION USING COMMON MATRIX APPROACH](#) ([Abstract](#))

Umit Cigdem Turhal



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

Anysia Yong, Neil Hurley

[Back](#)

[Menu](#)

[Next](#)



Papers



[FREQUENCY OFFSET ESTIMATION BASED ON PHASE OFFSETS BETWEEN SAMPLE CORRELATIONS](#) ([Abstract](#))

Ivan Perisa



[TEMPORAL DETECTION AND PROCESSING OF TRANSPARENT OVERLAYS FOR VIDEO INDEXING AND ENHANCEMENT](#)
([Abstract](#))

Ahmet Ekin, Radu Jasinschi



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

Cédric Herzet, Luc Vandendorpe, Valéry Ramon



[LIP FEATURE EXTRACTION BASED ON AUDIO-VISUAL CORRELATION](#) ([Abstract](#))

Mehmet Emre Sargin, Engin Erzin, Yucel Yemez, A. Murat Tekalp



[SUBSPACE BASED OBJECT RECOGNITION USING SUPPORT VECTOR MACHINES](#) ([Abstract](#))

Osman Gokhan Sezer, Aytul Ercil, Mehmet Keskinöz



[DIRECTIONAL MEASUREMENTS AND MODELLING OF INDOOR ENVIRONMENTS AT 5.2GHZ](#) ([Abstract](#))

David Irvine Laurenson, Chor Min Tan, Chia Chin Chong, Mark A. Beach



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

Bertrand Le Gal, Emmanuel Casseau, Sylvain Huet, Pierre Bomel, Christophe Jégo, Eric Martin



[COMPLEX DISCRETE WAVELET TRANSFORM BASED MOTION ESTIMATION FOR VISION-BASED TRACKING OF TARGETS](#)
([Abstract](#))

Sener Yilmaz, Mete Severcan

[Back](#)

[Menu](#)

[Next](#)



Papers



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

[\(Abstract\)](#)

Md. Kamrul Hasan, Jacob Benesty, Patrick A. Naylor, Darren B. Ward



[LOW-RESOURCE DELAYLESS SUBBAND ADAPTIVE FILTER USING WEIGHTED OVERLAP-ADD](#) [\(Abstract\)](#)

Hamid Sheikhzadeh, Robert L. Brennan, Zamir Khan, Kevin R. L. Whyte



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

Xuanwen Luo, Ming Dong, Yinlun Huang



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

Kutluyil Dogancay, A. Rahim Leyman



[A NEW METHOD FOR SUPPRESSING OPTICAL TURBULENCE IN VIDEO](#) [\(Abstract\)](#)

Dalong Li, Russell M. Mersereau, David H. Frakes, Mark J. T. Smith



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

Kutluyil Dogancay, Gokhan Ibal



[NONLINEAR COMMON VECTORS FOR PATTERN CLASSIFICATION](#) [\(Abstract\)](#)

Hakan Cevikalp, Marian Neamtu



[DIAGNOSTIC ANALYSIS USING TEXTURAL FEATURES OF THE LACHRYMAL FLUID CRYSTAL IMAGES](#) [\(Abstract\)](#)

Alexander Kupriyanov, Nataly Ilyasova, Alexander Malapheye

[Back](#)

[Menu](#)

[Next](#)



Papers



SECURE BIOMETRICS ([Abstract](#))

Marten Van Dijk, Pim Tuyls



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

Jerome Darbon, Ceyhun Burak Akgul



SEGMENTATION EVALUATION BY FUSION WITH A GENETIC ALGORITHM ([Abstract](#))

Sébastien Chabrier, Christophe Rosenberger, Bruno Emile



HOS-BASED MULTI-COMPONENT FREQUENCY ESTIMATION ([Abstract](#))

Maciej Pedzisz, Ali Mansour



A FAST ALGORITHM FOR DIGITAL PRE-DISTORTION OF NONLINEAR POWER AMPLIFIERS ([Abstract](#))

Ernst Aschbacher, Holger Arthaber, Markus Rupp



NOISE POWER SPECTRAL DENSITY ESTIMATION FROM NOISY SPEECH USING ON-LINE TRAINED HIDDEN MARKOV MODELS ([Abstract](#))

Karsten Vandborg Sørensen, Søren Vang Andersen



A FLEXIBLE MIMO TESTBED WITH REMOTE ACCESS ([Abstract](#))

Christian Mehlführer, Stefan Geirhofer, Sebastian Caban, Markus Rupp



ADAPTIVE MICROPHONE ARRAY BASED ON MAXIMUM LIKELIHOOD CRITERION ([Abstract](#))

Zoran Saric, Slobodan Jovicic, Srbijanka Turajlic

[Back](#)

[Menu](#)

[Next](#)



Papers



LOCALIZATION OF SOURCES RADIATING ON A LARGE ANTENNA ([Abstract](#))

Miloud Frikel



ENVIRONMENT SIMULATOR FOR AUDIO SIGNALS ([Abstract](#))

Antonio Satue-Villar, Juan A. Fernández Rubio



MC-CDMA VERSUS OFDMA IN CELLULAR ENVIRONMENTS ([Abstract](#))

Simon Plass, Stefan Kaiser



A NEW APPROACH TO MULTICHANNEL AUDIO SIGNAL ACQUISITION AND SUBBAND PROCESSING ([Abstract](#))

Antonio Satue-Villar, Juan A. Fernández Rubio



CONSTANT NORM ALGORITHMS FOR MIMO COMMUNICATION SYSTEMS ([Abstract](#))

Aissa Ikhlef, Daniel Le Guennec, Jacques Palicot



A CASCADE DWT-DCT BASED DIGITAL WATERMARKING SCHEME ([Abstract](#))

Serkan Emek, Melih Pazarci



AUTOMATED CLASSIFICATION OF FLUORESCENT IN SITU CASES ([Abstract](#))

Francesco Raimondo, Marios Gavrielides, Georgia Karayannopoulou, Ioannis Kostopoulos, Kleoniki Lyroudia, Ioannis Pitas



HIERARCHICAL SECRET IMAGE SHARING METHOD USING JPEG 2000 CODESTREAM SYNTAX ([Abstract](#))

Masayuki Hashimoto, Kenji Matsuo, Atsushi Koike, Yoriyuki Minami

[Back](#)

[Menu](#)

[Next](#)



Papers



MODEL-FREE FACE DETECTION AND HEAD TRACKING WITH MORPHOLOGICAL HOLE MAPPING ([Abstract](#))

Udo Ahlvers, Udo Zölzer, Ruben Rajagopalan



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

David Hermann, Etienne Cornu, Tina Soltani, Hamid Sheikhzadeh



CARTOON-RECOGNITION USING VIDEO & AUDIO DESCRIPTORS ([Abstract](#))

Ronald Glasberg, Amjad Samour, Khalid Elazouzi, Thomas Sikora



DETECTION OF NONLINEARITIES CAUSED BY BUBBLES IN ULTRASONIC SIGNALS ([Abstract](#))

Ramon Miralles, Jorge Gosalbez, Addison Salazar



JAVANETPHONE: A JAVA CLIENT FOR IP TELEPHONY APPLICATIONS IN AN MGCP FRAMEWORK ([Abstract](#))

Susanna Spinsante, Franco Chiaraluce, Ennio Gambi, Aldo Vespasiani, Alessio Perotti



UNSUPERVISED VARIATIONAL CLASSIFICATION THROUGH IMAGE MULTI-THRESHOLDING ([Abstract](#))

Luc Klaine, Benoit Vozel, Kacem Chehdi



MULTITEMPORAL IMAGE CLASSIFICATION WITH AUTOMATIC BUILDING OF TREE-STRUCTURED MRF MODELS ([Abstract](#))

Raffaele Gaetano, Giovanni Poggi, Giuseppe Scarpa



MULTI-CHANNEL ADAPTIVE BIT ALLOCATION AND ERROR CONTROL FOR VIDEO TRANSMISSION OVER WIRELESS NETWORKS ([Abstract](#))

Maria Manuela Pereira, Marc Antonini

[Back](#)

[Menu](#)

[Next](#)



Papers



VOICE TRANSFORMATION ALGORITHMS WITH REAL TIME DSP RAPID PROTOTYPING TOOLS ([Abstract](#))

Graziano Bertini



ASYMPTOTIC NORMALITY OF STATISTICAL-FUNCTION ESTIMATORS FOR GENERALIZED ALMOST-CYCLOSTATIONARY PROCESSES ([Abstract](#))

Antonio Napolitano



ENHANCEMENT OF SPEAKER IDENTIFICATION USING SID-USABLE SPEECH ([Abstract](#))

Saurabh Khanwalkar, Brett Smolenski, Robert Yantorno, Stanley Wenndt



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

Caroline Lacoste, Xavier Descombes, Josiane Zerubia, Nicolas Baghdadi



DYNAMICALLY ADDING REDUNDANCY FOR IMPROVED ERROR CONCEALMENT IN PACKET VOICE CODING ([Abstract](#))

Levent Tosun, Peter Kabal



NON-PARAMETRIC INFORMATION GEOMETRY AND MULTI-SCALE MODELS OF TEXTURE ([Abstract](#))

Washington Mio, Dennis Badlyans, Xiuwen Liu



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

Zhisheng Duan, Jingxin Zhang, Cisheng Zhang, Edoardo Mosca



MODIFIED HERMITE FUNCTIONS FOR DESIGNING NEW OPTIMAL UWB PULSE-SHAPERS ([Abstract](#))

Mourad Ouertani, Hichem Besbes, Ammar Bouallegue

[Back](#)

[Menu](#)

[Next](#)



Papers



RECENT ADVANCES IN COMPRESSION OF 3D MESHES ([Abstract](#))

Pierre Alliez



PERFORMANCE OF NOISE-SHAPING IN OVERSAMPLED FILTER BANKS ([Abstract](#))

Tania Leppert, Fabrice Labeau, Peter Kabal



THE DISTORTING EFFECTS OF SCBA EQUIPMENT ON SPEECH AND ALGORITHMS FOR MITIGATION ([Abstract](#))

William Kushner, Michelle Harton, Robert Novorita



A ROBUST NON-UNIFORM LUT INDEXING METHOD IN DIGITAL PREDISTORTION LINEARIZATION OF RF POWER AMPLIFIERS ([Abstract](#))

Sonia Saied-Bouajina, Meriem Jaidane, Fadhel Ghannouchi, Slim Boumaiza



A SEQUENTIAL FEATURE SELECTION ALGORITHM FOR GMM-BASED SPEECH QUALITY ESTIMATION ([Abstract](#))

Tiago Falk, Wai-Yip Chan



AN EFFICIENT VIDEO RENDERING SYSTEM FOR REAL-TIME ADAPTIVE PLAYOUT BASED ON PHYSICAL MOTION FIELD ESTIMATION ([Abstract](#))

Luca Piccarreta, Augusto Sarti, Stefano Tubaro



A QUANTITATIVE COMPARISON OF NON-PARAMETRIC TIME-FREQUENCY REPRESENTATIONS ([Abstract](#))

Luke Rankine, Nathan Stevenson, Mostefa Mesbah, Boualem Boashash



IMPROVING THE ABILITY OF MATCHING PURSUIT ALGORITHM IN DETECTING SPIKES ([Abstract](#))

Luke Rankine, Mostefa Mesbah, Boualem Boashash

Back

Menu

Next



Papers



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

Jinn Ho, Wen-Liang Hwang, Henry Horn-Shing Lu, D. T. Lee



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

Seung-Hwan Kim, Geun-Yong Kim, Jin Heo, Yo-Sung Ho



FAST MODE DECISION ALGORITHM FOR H.264 BASED ON MOTION COST ([Abstract](#))

Geun-Yong Kim, Seung-Hwan Kim, Hee-Soon Kim, Yo-Sung Ho



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

Kutluyil Dogancay, Oguz Tanrikulu



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

Slaven Marusic, Guang Deng, David B. H. Tay



QUASI-ORTHOGONAL SPACE TIME CODES: APPROACHING OPTIMALITY ([Abstract](#))

Hans Weinrichter, Biljana Badic, Markus Rupp



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

Kutluyil Dogancay, Patrick A. Naylor



RFI CANCELLATION IN VDSL SYSTEMS USING A NOVEL COMPLEX ([Abstract](#))

Fernando Hugo Gregorio, Juan Edmundo Cousseau, Timo Laakso

[Back](#)

[Menu](#)

[Next](#)



Papers



[EFFICIENT ECG COMPRESSION BASED ON M-CHANNEL MAXIMALLY DECI-MATED FILTER BANKS](#) ([Abstract](#))

Manuel Blanco-Velasco, Fernando Cruz-Roldan, Juan Ignacio Godino-Lorente, Kenneth E. Barner



[ICA IN SIGNALS WITH MULTIPLICATIVE NOISE USING FOURTH-ORDER STATISTIC](#) ([Abstract](#))

David Blanco, Bernard Mulgrew, María del Carmen Carrión, Diego Pablo Ruiz



[3D VIDEO OBJECTS FOR INTERACTIVE APPLICATIONS](#) ([Abstract](#))

Aljoscha Smolic, Karsten Müller, Philipp Merkle, Matthias Kautzner, Thomas Wiegand



[COMPARISON OF TWO DIFFERENT APPROACHES FOR JOINT SOURCE-CHANNEL DECODING OF VARIABLE LENGTH CODES](#) ([Abstract](#))

Pierre Siohan, Marion Jeanne



[PHYSICAL MODELING OF FLAGEOLET TONES IN STRING INSTRUMENTS](#) ([Abstract](#))

Jyri Pakarinen



[USING A SINES + WAVELETS MIXED DICTIONARY FOR IMPROVING MATCHING PURSUIT-BASED PARAMETRIC AUDIO CODING](#) ([Abstract](#))

Pedro Vera Candéas, Nicolas Ruiz Reyes, Manuel Rosa-Zurera, Juan Carlos Cuevas Martínez, Jose Miguel Garcia Rubia



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

Guillaume Lavoué, Florent Dupont, Atilla Baskurt



[AN ONLINE BIOMETRIC AUTHENTICATION SYSTEM BASED ON EIGENFINGERS AND FINGER-GEOMETRY](#) ([Abstract](#))

Slobodan Ribaric, Ivan Fratric

[Back](#)

[Menu](#)

[Next](#)



Papers



[AN IMPROVED DOPPLER DIVERSITY TECHNIQUE FOR OFDM SYSTEMS IN TIME-VARYING MULTIPATH FADING CHANNELS](#) ([Abstract](#))

Hyungjoon Song, Daesik Hong



[AN ANTHROPOCENTRIC DESCRIPTION SCHEME FOR MOVIES CONTENT CLASSIFICATION AND INDEXING](#) ([Abstract](#))

Nicholas Vretos, Vassilios Solachidis, Ioannis Pitas



[A GENERAL APPROACH TO THE DERIVATION OF BLOCK MULTICHANNEL FAST QRD-RLS ALGORITHMS](#) ([Abstract](#))

Antonio Ramos, Jose Apolinario, Stefan Werner



[ACOUSTIC FEEDBACK CANCELLATION FOR LONG ACOUSTIC PATHS USING A NONSTATIONARY SOURCE MODEL](#) ([Abstract](#))

Geert Rombouts, Toon Van Waterschoot, Kris Struyve, Marc Moonen



[BLIND LAYERED SPACE-TIME EQUALIZATION FOR MIMO OFDM SYSTEMS](#) ([Abstract](#))

Luciano Sarperi, Xu Zhu, Asoke K. Nandi



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

Libor Vasa, Ivo Hanak, Vaclav Skala



[MUTUAL INFORMATION APPROACH TO BLIND SEPARATION-DECONVOLUTION](#) ([Abstract](#))

Dinh-Tuan Pham



[A DESIGN METHODOLOGY OF BUFFER-MEMORY ARCHITECTURES FOR FFT COMPUTATION](#) ([Abstract](#))

Chin-Liang Wang, Sheng-Ju Ku

[Back](#)

[Menu](#)

[Next](#)



Papers



PLM SEQUENCES FOR THE PERFORMANCE OPTIMIZATION OF LINEAR MULTIUSER DETECTORS ([Abstract](#))

Mourad Khanfouci, Sylvie Marcos



BLOCK-BASED RECONSTRUCTION OF SIGNALS FROM NONUNIFORM SAMPLES ([Abstract](#))

T. Engin Tuncer, Bulent Serdaroglu



ENHANCED OUTPUT-BASED PERCEPTUAL MEASURE FOR PREDICTING SUBJECTIVE QUALITY OF SPEECH ([Abstract](#))

Abdulhussain Mahdi, Dorel Picovici



BLIND CHANNEL IDENTIFICATION WITH FRAME LENGTH AND OFFSET ESTIMATION ([Abstract](#))

T. Engin Tuncer



RECONSTRUCTION OF DAMAGED IMAGES USING RADIAL BASIS FUNCTIONS ([Abstract](#))

Karel Uhler, Vaclav Skala



LOW COMPLEXITY TWO CLASSES GAUSS WEIGHTING FILTER FOR NOISE REDUCTION IN MOBILE RECEIVED ANALOG TV SIGNALS ([Abstract](#))

Markus Friebe, André Kaup



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

Murali Mohan Deshpande



ROBUST MATCHED FILTERING IN THE FEATURE SPACE ([Abstract](#))

Ignacio Santamaria, Deniz Erdogmus, Rati Agrawal, Jose C. Principe

[Back](#)

[Menu](#)

[Next](#)



Papers

 [A NEW VIDEO AUTHENTICATION TEMPLATE BASED ON BUBBLE RANDOM SAMPLING](#) ([Abstract](#))

Fabrizio Guerrini, Riccardo Leonardi, Pierangelo Migliorati

 [AUDIO-VISUAL SPEECH RECOGNITION WITH A HYBRID SVM-HMM SYSTEM](#) ([Abstract](#))

Mihai Gurban, Jean-Philippe Thiran

 [SUPPORT VECTOR MACHINE \(SVM\) CLASSIFICATION THROUGH GEOMETRY](#) ([Abstract](#))

Michael Mavroforakis, Sergios Theodoridis

 [SET THEORETIC ADAPTIVE FILTERING: USING PERIODOGRAM AND PROJECTIONS ONTO CONVEX SETS.](#) ([Abstract](#))

Leonardo Rey Vega, Sara Tressens, Hernán Rey

 [A MULTISCALE COLOR QUANTIZATION ALGORITHM FOR PRODUCING SCALABLE MEDIA](#) ([Abstract](#))

Yik-Hing Fung, Yuk-Hee Chan, Ka-Chun Lui

 [FREQUENCY SAMPLING DESIGN OF ARBITRARY LENGTH FILTERS FOR FILTER BANKS AND DISCRETE SUBBAND MULTITONE TRANSCEIVERS](#) ([Abstract](#))

Fernando Cruz-Roldan, Manuel Blanco-Velasco, Angel M. Bravo, Juan Ignacio Godino-Llorente, Ignacio Santamaria

 [PERFORMANCE DEGRADATION DUE TO BLINDNESS IN SEPARATION OF MIMO-FIR SYSTEMS OVER COST207 CHANNELS](#) ([Abstract](#))

Sara Sandberg, James P. LeBlanc

 [A NEW TURBO EQUALIZER WITH LINEAR COMPLEXITY](#) ([Abstract](#))

Dimitris Ampeliotis, Kostas Berberidis

[Back](#)

[Menu](#)

[Next](#)



Papers



[ON A COMPRESSION ALGORITHM FOR ECG SIGNALS](#) ([Abstract](#))

Monica Negoita, Liviu Goras



[OPTIMUM PULSE SHAPING FOR DELAY ESTIMATION IN SATELLITE POSITIONING](#) ([Abstract](#))

Luca Giugno, Marco Luise



[PERFORMANCE EVALUATION OF FINE TIME SYNCHRONIZERS FOR WLANS](#) ([Abstract](#))

Maria Jose Canet, Vicenc Almenar, Javier Valls, Ian Wassel



[COMBINING SVMs FOR FACE CLASS MODELING](#) ([Abstract](#))

Julien Meynet, Vlad Popovici, Matteo Sorci, Jean-Philippe Thiran



[OBJECT TRACKING BASED ON MULTISCALE MORPHOLOGICAL TEMPLATES](#) ([Abstract](#))

Georgios N. Stamou, Nikos Nikolaidis, Ioannis Pitas



[SMOOTHED SUBSPACE BASED NOISE SUPPRESSION WITH APPLICATION TO SPEECH ENHANCEMENT](#) ([Abstract](#))

Jesper Jensen



[PROBABILISTIC PHASE VOCODER AND ITS APPLICATION TO INTERPOLATION OF MISSING VALUES IN AUDIO SIGNALS](#) ([Abstract](#))

Ali Taylan Cemgil, Simon J. Godsill



[JOINT USE OF SUM AND DIFFERENCE CHANNELS FOR MULTIPLE RADAR TARGET DOA ESTIMATION](#) ([Abstract](#))

Maria Greco, Fulvio Gini, Alfonso Farina

[Back](#)

[Menu](#)

[Next](#)



Papers



IMAGE COMPRESSION IN A MULTI-CAMERA SYSTEM BASED ON A DISTRIBUTED SOURCE CODING APPROACH ([Abstract](#))

Giovanni Toffetti, Stefano Tubaro, Augusto Sarti, Marco Marcon, Marco Tagliasacchi, Kannan Ramchandran



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

Pablo Casaseca De La Higuera, Rodrigo De-Luis-García, Federico Simmross-Wattenberg, Carlos Alberola-López



LOSSLESS VIDEO COMPRESSION USING A SPATIO-TEMPORAL OPTIMAL PREDICTOR ([Abstract](#))

Stefano Andriani, Giancarlo Calvagno, Gian Antonio Mian



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

Xenofon Doukopoulos, George Moustakides



LINEAR AND QUADRATIC FUSION OF IMAGES: DETECTION OF POINT SOURCES ([Abstract](#))

Marcos Lopez-Caniego, Jose Luis Sanz, Diego Herranz, Rita Belen Barreiro, Joaquin Gonzalez-Nuevo



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

Guillaume Ferré, Mohamad Jamalulli Syed, Vahid Meghdadi, Cances Jean Pierre, Jean Michel Dumas



VIEW POINT TRACKING FOR 3D DISPLAY SYSTEMS ([Abstract](#))

Gozde Bozdagi Akar



FEATURE-BASED TRACKING USING 3D PHYSICS-BASED DEFORMABLE SURFACES ([Abstract](#))

Michail Krinidis, Nikos Nikolaidis, Ioannis Pitas

[Back](#)

[Menu](#)

[Next](#)



Papers



[LOSSLESS CODING USING VARIABLE BLOCK-SIZE ADAPTIVE PREDICTION OPTIMIZED FOR EACH IMAGE](#) ([Abstract](#))

Ichiro Matsuda, Nau Ozaki, Yuji Umezumi, Susumu Itoh



[ADAPTIVE SOFT-SWITCHING FILTER FOR IMPULSIVE NOISE SUPPRESSION IN COLOR IMAGES](#) ([Abstract](#))

Bogdan Smolka



[AN OVERCOMPLETE WDFIT SINUSOIDAL BASIS FOR PERCEPTUALLY MOTIVATED SPEECH ENHANCEMENT](#) ([Abstract](#))

Adam Borowicz, Alexander Petrovsky



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

Mónica Díez-García, Carlos Alberola-López, Federico Simmross-Wattenberg



[IMPROVED EMBEDDING OF MULTIPLICATIVE WATERMARKS VIA SPACE-TIME BLOCK CODING](#) ([Abstract](#))

Irene Karybali, Kostas Berberidis



[FULL OCCLUSION MANAGEMENT FOR WAVELET-BASED VIDEO CODING](#) ([Abstract](#))

Thomas André, Marc Antonini, Michel Barlaud



[MASKING VIDEO INFORMATION BY PARTIAL ENCRYPTION OF H.264/AVC CODING PARAMETERS](#) ([Abstract](#))

Susanna Spinsante, Franco Chiaraluce, Ennio Gambi



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

Mario Casu, Giuseppe Durisi, Sergio Benedetto

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Bertrand Devillers, Thierry Sartenauer, Luc Vandendorpe



A COMPARATIVE EVALUATION OF COMPETITIVE LEARNING ALGORITHMS FOR EDGE DETECTION ENHANCEMENT ([Abstract](#))

Tuba Sirin, Mehmet Izzet Saglam, Isin Erer, Muhittin Gokmen, Okan Ersoy



QUATERNIONIC APPROACH TO 8-CHANNEL GENERAL PARAUNITARY FILTER BANK ([Abstract](#))

Marek Parfieniuk, Alexander Petrovsky



SIMULATION AND APPLICATION OF DVB CHANNEL CODING ON MULTIMEDIA DSP DEVELOPMENT BOARD ([Abstract](#))

Tomas Kratochvil



VIDEO CLASSIFICATION BASED ON LOW-LEVEL FEATURE FUSION MODEL ([Abstract](#))

Mickael Guironnet, Denis Pellerin, Michele Rombaut



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

Lan Du



BLIND CHANNEL EQUALIZATION WITH ALGEBRAIC OPTIMAL STEP SIZE ([Abstract](#))

Vicente Zarzoso, Pierre Comon



ROBUST ADAPTIVE BEAMFORMING BASED ON DOMAIN WEIGHTED PCA ([Abstract](#))

Paul Daniel Baxter, John McWhirter









Back

Menu

Next



Papers

-  [ESTIMATION OF TRANSPARENT MOTIONS WITH PHYSICAL MODELS FOR ADDITIONAL BRIGHTNESS VARIATION](#) ([Abstract](#))
Hanno Scharr, Ingo Stuke, Cicero Mota, Erhardt Barth
-  [RLS DIRECT EQUALIZER ESTIMATION WITH ASSISTANCE OF PILOTS FOR TRANSMISSIONS OVER TIME-VARYING CHANNELS](#) ([Abstract](#))
Zijian Tang, Geert Leus
-  [MARGINALIZED PARTICLE FILTERING FOR BLIND SYSTEM IDENTIFICATION](#) ([Abstract](#))
Michael Daly, Jim Reilly
-  [3D CUBE VIDEO CODING USING PHASE-BASED MOTION ESTIMATION AND EZW-IP CODER](#) ([Abstract](#))
Kiyohiro Uemura, Masaaki Ikehara
-  [COMBINED SPATIAL/BEAMFORMING AND TIME/FREQUENCY PROCESSING FOR BLIND SOURCE SEPARATION](#) ([Abstract](#))
Qiongfeng Pan, Tyseer Aboulnasr
-  [A SUBSPACE METHOD FOR THE BLIND EXTRACTION OF A CYCLOSTATIONARY SOURCE](#) ([Abstract](#))
Roger Boustany, Jérôme Antoni
-  [A NOVEL CARRIER ALLOCATION METHOD FOR MULTIUSER OFDM SYSTEM WITH AMPLIFIER NONLINEARITIES](#) ([Abstract](#))
Fernando Hugo Gregorio, Timo Laakso
-  [A SEQUENTIAL PARTICLE ALGORITHM THAT KEEPS THE PARTICLE SYSTEM ALIVE](#) ([Abstract](#))
Francois Le Gland, Nadia Oudjane

[Back](#)

[Menu](#)

[Next](#)



Papers



HIGHLIGHTS OF UWB IMPULSE BEAMFORMING ([Abstract](#))

Sigmar Ries



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

Relja Djapic, Geert Leus, Alle-Jan Van der Veen, Antonio Trindade



OPTIMIZED FFT ARCHITECTURE FOR MIMO APPLICATIONS ([Abstract](#))

Ludwig Schwoerer, Ernst Zielinski



REDUCING NON-ZERO COEFFICIENTS IN FIR FILTER DESIGN USING POCS ([Abstract](#))

H. Joel Trussell, David M. Rouse



WORST CASE ANALYSIS OF DECENTRALIZED KALMAN FILTERS UNDER COMMUNICATION CONSTRAINTS ([Abstract](#))

Markus Stefan Schlosser, Kristian Kroschel



THRESHOLDING-BASED SEGMENTATION AND APPLE GRADING BY MACHINE VISION ([Abstract](#))

Devrim Unay, Bernard Gosselin



INVESTIGATION OF THE CHANNEL ESTIMATION ERROR ON THE MIMO SYSTEM PERFORMANCE ([Abstract](#))

Lamia Berriche, Karim Abed-Meraim, Jean-Claude Belfiore



FACTOR ANALYSIS OF NETWORK FLOW THROUGHPUT MEASUREMENTS FOR INFERRING CONGESTION SHARING ([Abstract](#))

Dogu Arifler, Brian Evans

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Mickael Raulet, Christophe Moy, Fabrice Urban, Jean François Nezan, Olivier Deforges



OPTIMAL USAGE OF COLOR FOR DISPARITY ESTIMATION IN STEREO VISION ([Abstract](#))

Eran David Pinhasov, Nahum Shimkin, Yehoshua Y. Zeevi



A CENTRALIZED ACOUSTIC ECHO CANCELLER BASED ON PERCEPTUAL PROPERTIES ([Abstract](#))

Hela Gnaba-Daassi, Pascal Scalart, Claude Marro



AN IMPROVED PROPORTIONATE MULTI-DELAY BLOCK ADAPTIVE FILTER FOR PACKET-SWITCHED NETWORK ECHO CANCELLATION ([Abstract](#))

Andy Khong, Jacob Benesty, Patrick A. Naylor



COMBINING 2D AND 3D FACE IMAGES FOR RELIABLE IDENTITY VERIFICATION ([Abstract](#))

Sotiris Malassiotis, Michael G. Strintzis



CHARACTERIZATION, ESTIMATION AND DETECTION OF NETWORK APPLICATION TRAFFIC ([Abstract](#))

H. Joel Trussell, Arne Nilsson, Parita Patel, Yi Wang



ON THE USE OF PARTICLE FILTERING FOR MAXIMUM LIKELIHOOD PARAMETER ESTIMATION ([Abstract](#))

Olivier Cappé, Eric Moulines



BIOLOGICAL APPROACH FOR HEAD MOTION DETECTION AND ANALYSIS ([Abstract](#))

Alexandre Benoit, Alice Caplier

[Back](#)

[Menu](#)

[Next](#)



Papers

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

Héctor J. Pérez-Iglesias, Adriana Dapena

 [SEGMENT-BASED MOTION ESTIMATION USING A BLOCK-BASED ENGINE](#) ([Abstract](#))

Patrick Meuwissen, Fabian Ernst, Ramanathan Sethuraman, Harm Peters, Rafael Peset Llopis

 [USING SPEECH PROCESSING METHODS TO MODEL BLOOD FLOW](#) ([Abstract](#))

Derek H. Justice, H. Joel Trussell, Mette Olufsen

 [MULTIMODALITY IN BIOSECURE : TOWARDS AN EVALUATION PROTOCOL ON VIRTUAL MULTI-MODAL DATABASES](#)
([Abstract](#))

Dorizzi Bernadette, Sonia Garcia-Salicetti, Mohamed Anouar Mellakh

 [NOVEL SYSTOLIC SCHEMES FOR SERIAL-PARALLEL MULTIPLICATION](#) ([Abstract](#))

Isidoros Sideris, Kostantinos Anagnostopoulos, Paraskevas Kalivas, Kiamal Pekmestzi

 [MULTISCALE EDGE DETECTION AND IMAGE SEGMENTATION](#) ([Abstract](#))

Baris Sumengen, B. S. Manjunath

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

Ewout Vansteenkiste, Bruno Huysmans, Wilfried Philips

 [STATIC AND DYNAMIC FEATURE-BASED VISUAL ATTENTION MODEL: COMPARAISON WITH HUMAN JUDGMENT](#) ([Abstract](#))

Mickael Guironnet, Nathalie Guyader, Denis Pellerin, Patricia Ladret

[Back](#)

[Menu](#)

[Next](#)



Papers



[ON THE USE OF PHASE INFORMATION IN SPEECH RECOGNITION](#) ([Abstract](#))

Baris Bozkurt, Laurent Couvreur



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

Augusto Sarti, Stefano Tubaro, Giovanni De Sanctis, Gabriele Scarpato



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

Isaac Skog, Peter Händel



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

Frank Dietrich, Peter Breun, Wolfgang Utschick



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

Francois Severin, Baris Bozkurt, Thierry Dutoit



[SELF-LEARNING SYSTEM FOR SURFACE FAILURE DETECTION](#) ([Abstract](#))

Snje ana Rimac-Drije, Alen Keller, Karlo Emanuel Nyarko



[DIFFUSION MODELLING AT THE BOUNDARY OF A DIGITAL WAVEGUIDE MESH](#) ([Abstract](#))

Simon Shelley, Damian Murphy



[DYNAMIC PROGRAMMING TECHNIQUES FOR SEQUENTIAL DETECTION AND TRACKING OF MOVING TARGETS IN RADAR SYSTEMS](#) ([Abstract](#))

Stefano Buzzi, Emanuele Grossi, Marco Lops

[Back](#)

[Menu](#)

[Next](#)



Papers



EVALUATION OF THE QUALITY OF ULTRASOUND IMAGE COMPRESSION BY FUSION OF CRITERIA WITH A SUPPORT VECTOR MACHINE ([Abstract](#))

Delgorge Cecile, Christophe Rosenberger, Rakotomamonjy Alain, Poisson Gérard, Vieyres Pierre



MSE APPROXIMATION FOR MODEL-BASED COMPRESSION OF MULTIREOLUTION SEMIREGULAR MESHES ([Abstract](#))

Frederic Payan, Marc Antonini



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

Seppo Fagerlund, Aki Härmä



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

Mounir Djeddi, Messaoud Benidir



SINGLE AND MULTIPLE SPREAD SPECTRUM WATERMARKING BASED ON PERIODIC CLOCK CHANGES ([Abstract](#))

Vincent Martin, Marie Chabert, Bernard Lacaze



BLIND SEPARATION OF CONVOLUTIVE MIXTURE OF SPEECH SIGNALS ([Abstract](#))

Hakim Boumaraf, Dinh-Tuan Pham, Christine Servière



BLIND SEPARATION OF COMPLEX-VALUED MIXTURES: SPARSE REPRESENTATION IN POLAR AND CARTESIAN SCATTER-PLOTS ([Abstract](#))

Ehud Orian, Yehoshua Y. Zeevi



DRUM TRANSCRIPTION WITH NON-NEGATIVE SPECTROGRAM FACTORISATION ([Abstract](#))

Jouni Paulus, Tuomas Virtanen

[Back](#)

[Menu](#)

[Next](#)



Papers

 [SEQUENTIAL FORWARD FEATURE SELECTION WITH LOW COMPUTATIONAL COST](#) ([Abstract](#))

Dimitrios Ververidis, Constantine Kotropoulos

 [A SIMPLE ICA ALGORITHM FOR NON-DIFFERENTIABLE CONTRASTS](#) ([Abstract](#))

John Aldo Lee, Frédéric Vrins, Michel Verleysen

 [JOINT OPTIMIZATION OF SOURCE-CHANNEL VIDEO CODING USING THE H.264 ENCODER AND FEC CODES](#) ([Abstract](#))

Simone Milani, Gian Antonio Mian, Luca Celetto

 [ESTIMATION OF CARDIAC AND RESPIRATORY RHYTHMS BASED ON AN AMFM DEMODULATION AND AN ADAPTIVE EIGENVECTOR DECOMPOSITION](#) ([Abstract](#))

Stéphane Bruno, Pascal Scalart

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

Cédric De Roover, Ariane Herbulot, Annabelle Gouze, Eric Debreuve, Michel Barlaud, Benoit Macq

 [CALIBRATION OF A LARGE DISTRIBUTED LOW FREQUENCY RADIO ASTRONOMICAL ARRAY \(LOFAR\)](#) ([Abstract](#))

Sebastiaan Van der Tol, Brian D. Jeffs, Alle-Jan Van der Veen

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

Jérôme Louradour, Khalid Daoudi

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

Marko Helén, Tuomas Virtanen









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [MULTI-COMPONENT SIGNAL DENOISING USING UNITARY TIME-FREQUENCY TRANSFORMS](#) ([Abstract](#))
Arnaud Jarrot, Cornel Ioana, André Quinquis, Jean-Claude Le Gac
-  [ARTIFICIAL REVERBERATION USING A HYPER-DIMENSIONAL FDTD MESH](#) ([Abstract](#))
Antti Kelloniemi, Patty Huang, Vesa Välimäki, Lauri Savioja
-  [PERFORMANCE EVALUATION OF IMAGE SEGMENTATION. APPLICATION TO PARAMETERS FITTING](#) ([Abstract](#))
Sébastien Chabrier, Hélène Laurent, Bruno Emile
-  [QUALITY ISSUES FOR RESOURCE CONSTRAINED SCALABLE VIDEO ALGORITHMS](#) ([Abstract](#))
Christian Hentschel
-  [NON-LINEAR ACTIVE MODEL FOR MOUTH INNER AND OUTER CONTOURS DETECTION](#) ([Abstract](#))
Pierre Gacon, Pierre-Yves Coulon, Gérard Bailly
-  [CODING DEPTH IMAGES WITH PIECEWISE LINEAR FUNCTIONS FOR MULTI-VIEW SYNTHESIS](#) ([Abstract](#))
Yannick Morvan, Dirk Farin, Peter H. N. De With
-  [SPATIOTEMPORAL INFORMATION FUSION FOR HUMAN ACTION RECOGNITION IN VIDEOS](#) ([Abstract](#))
Emmanuel Ramasso, Denis Pellerin, Costas Panagiotakis, Michele Rombaut, George Tziritas, William Lim
-  [MULTICHANNEL BLIND DECONVOLUTION OF IMPULSIVE SIGNALS](#) ([Abstract](#))
Pablo Lecumberri, Marisol Gómez, Alfonso Carlosena

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Nawal Houhou



[A JUST-NOTICEABLE DISTORTION \(JND\) PROFILE FOR BALANCED MULTIWAVELETS](#) ([Abstract](#))

Lahouari Ghouti, Ahmed Bouridane



[LOSSLESS CONTOUR REPRESENTATION USING EFFICIENT MULTIPLE GRID CHAIN CODING](#) ([Abstract](#))

Heechan Park, Graham Martin, Andy Yu



[VIDEO CODING USING NON-MANIFOLD MESH](#) ([Abstract](#))

Nathalie Cammas, Stéphane Pateux, Luce Morin



[IMPROVED OFDM RECEIVER WITH ITERATIVE CHANNEL ESTIMATION AND TURBO DECODING](#) ([Abstract](#))

Yeheskel Bar-Ness, Marta Perez Portugal



[NEW ALGORITHM FOR KIKUCHI LINES DETECTION IN ELECTRON MICROSCOPY IMAGES](#) ([Abstract](#))

Tomasz Zielinski, Rafal Fraczek



[IMPACT OF SAMPLE SIZES ON INFORMATION THEORETIC MEASURES FOR AUDIO-VISUAL SIGNAL PROCESSING](#) ([Abstract](#))

Ivana Arsic, Jean-Philippe Thiran, Ninoslav Marina



[ADAPTIVE WAVELETS FOR IMAGE REPRESENTATION AND CLASSIFICATION](#) ([Abstract](#))

Gemma Piella, Marine Campedel, Béatrice Pesquet-Popescu

[Back](#)

[Menu](#)

[Next](#)



Papers

 [SUPPORT VECTOR DATA DESCRIPTION BASED ON PCA FEATURES FOR FACE DETECTION](#) ([Abstract](#))

Verónica Vilaplana, Ferran Marqués

 [DESIGN OF THE TRANSIT ACCESS POINT HARDWARE PLATFORM](#) ([Abstract](#))

Patrick Murphy, J. Patrick Frantz, Behnaam Aazhang

 [A SIMPLE ADAPTIVE MATRIXING SCHEME FOR EFFICIENT CODING OF STEREO SOUND](#) ([Abstract](#))

Maciej Bartkowiak, Tomasz Zernicki

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

Stefan Werner, Jose Apolinario, Paulo Diniz, Timo Laakso

 [INDEPENDENT COMPONENT ANALYSIS WITH OPTIMIZED PAIRWISE PROCESSING](#) ([Abstract](#))

Vicente Zarzoso, Juan J. Murillo-Fuentes, Rafael Boloix-Tortosa, Asoke K. Nandi

 [AUTOMATIC TV LOGO REMOVAL USING STATISTICAL BASED LOGO DETECTION AND FREQUENCY SELECTIVE INPAINTING](#) ([Abstract](#))

Katrin Meisinger, Tobias Troeger, Marcus Zeller, André Kaup

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

Thomas Grenier, Franck Davignon, Chantal Muller, Olivier Basset, Gérard Gimenez

 [SMART CANDIDATE ADDING: A NEW LOW-COMPLEXITY APPROACH TOWARDS NEAR-CAPACITY MIMO DETECTION](#) ([Abstract](#))

Patrick Marsch, Ernesto Zimmermann, Gerhard Fettweis

[Back](#)

[Menu](#)

[Next](#)



Papers



A FREQUENCY DOMAIN APPROACH TO INTRA MODE SELECTION IN H.264/AVC ([Abstract](#))

Andy Yu, Graham Martin, Heechan Park



NEW INSIGHTS INTO THE STATISTICAL SIGNAL MODEL AND THE PERFORMANCE BOUNDS OF ACOUSTIC ECHO CONTROL ([Abstract](#))

Gerald Enzner, Peter Vary



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

Thomas Grenier, Franck Davignon, Chantal Muller, Olivier Basset, Gérard Gimenez



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

Takayasu Takaoka, Isao Nagayoshi, Tsuyoshi Hanamura, Hideyoshi Tominaga



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

Wilfried Chauvet, Bernard Lacaze, Daniel Roviras, Alban Duverdier



RECONSTRUCTING ULTRASONIC IMAGES AND FLAW DETECTION IN TIME-FREQUENCY DOMAIN BY MATCHING A-SCAN INSPECTIONS ([Abstract](#))

Addisson Salazar, Jorge Gosalbez, Ignacio Bosch



ON INTER-CELL INTERFERENCE IN OFDMA WIRELESS SYSTEMS ([Abstract](#))

Jean-Philippe Javaudin



BARGE-IN FREE SPOKEN DIALOGUE INTERFACE USING NULLSPACE-BASED SOUND FIELD CONTROL AND BEAMFORMING ([Abstract](#))

Shigeki Miyabe, Hiroshi Saruwatari, Kiyohiro Shikano, Yosuke Tatekura

[Back](#)

[Menu](#)

[Next](#)



Papers



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

[\(Abstract\)](#)

Cyril Gobinet, Abdelkamel Elhafid, Valeriu Vrabie, Régis Huez, Danielle Nuzillard



[A PROGRAMMABLE SIMD-BASED MULTI-STANDARD RAKE RECEIVER ARCHITECTURE](#) [\(Abstract\)](#)

Anders Nilsson, Eric Tell, Dake Liu



[QUALITY ESTIMATION IN WAVELET IMAGE CODING](#) [\(Abstract\)](#)

Abla Kourzi, Danielle Nuzillard, Gilles Millon, Frédéric Nicolier



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

James Hopgood



[MULTIRESOLUTION MOTION ESTIMATION FOR OMNIDIRECTIONAL IMAGES](#) [\(Abstract\)](#)

Ivana Tomic, Iva Bogdanova, Pascal Frossard, Pierre Vandergheynst



[ADAPTIVE COMMON ROOT ESTIMATION AND THE COMMON ZEROS PROBLEM IN BLIND CHANNEL IDENTIFICATION](#)

[\(Abstract\)](#)

Nikolay Gaubitch, Jacob Benesty, Patrick A. Naylor



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

Peter Biber, Sven Fleck, Florian Busch, Michael Wand, Tom Duckett, Wolfgang Strasser



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

Marwa Chendeb, Mohamad Khalil, Jacques Duchêne

[Back](#)

[Menu](#)

[Next](#)



Papers



WINDOWING TECHNIQUES FOR ICI MITIGATION IN MULTICARRIER SYSTEMS ([Abstract](#))

Luca Rugini, Paolo Banelli



IMPROVED FREQUENCY DOMAIN SUPER-RESOLUTION ALGORITHM WITH CONJUGATE GRADIENT – NUFFT METHOD AS ITS RECONSTRUCTION CORE ([Abstract](#))

Krzysztof Malczewski, Ryszard Stasinski



ALTERNATING TIME-OFFSET DOWNLINK SDMA FOR LEGACY IEEE 802.11A/G MOBILE STATIONS ([Abstract](#))

Alexandr Kuzminskiy, Hamid Reza Karimi, Constantinos Papadias



CANONICAL CORRELATION ANALYSIS (CCA) ALGORITHMS FOR MULTIPLE DATA SETS: APPLICATION TO BLIND SIMO EQUALIZATION ([Abstract](#))

Javier Vía, Ignacio Santamaria, Jesús Pérez



A COMPARATIVE STUDY OF CROSS-CORRELATION METHODS FOR ALIGNMENT OF DNA SEQUENCES CONTAINING REPETITIVE PATTERNS ([Abstract](#))

Andrzej Brodzik



TWO CROSS COUPLED KALMAN FILTERS FOR JOINT ESTIMATION OF MC-DS-CDMA FADING CHANNELS AND THEIR CORRESPONDING AUTOREGRESSIVE PARAMETERS ([Abstract](#))

Ali Jamoos, David Labarre, Eric Grivel, Mohamed Najim



A STRAIGHTFORWARD SVM APPROACH FOR CLASSIFICATION WITH CONSTRAINTS ([Abstract](#))

Abdenour Bounsiar, Pierre Beuseroy, Edith Grall



BRANDT'S GLR METHOD AND REFINED HMM SEGMENTATION FOR TTS SYNTHESIS APPLICATION ([Abstract](#))

Safaa Jarifi, Dominique Pastor, Olivier Rosec

[Back](#)

[Menu](#)

[Next](#)



Papers

 [IMPROVING ALIGNMENT OF NOISY SIGNALS USING AN ITERATIVE ZERO PHASE METHOD](#) ([Abstract](#))

Roberto Gil-Pita, Manuel Rosa-Zurera, Raúl Vicen-Bueno, Manuel Utrilla-Manso

 [WATERMARKING POLYGONAL LINES USING AN OPTIMAL DETECTOR ON THE FOURIER DESCRIPTORS DOMAIN](#) ([Abstract](#))

Victor Rodríguez-Doncel, Nikos Nikolaidis, Ioannis Pitas

 [A NEW MULTISTAGE LATTICE VQ \(MLVQ\) TECHNIQUE FOR IMAGE COMPRESSION](#) ([Abstract](#))

Mohd Fadzli Mohd Salleh, John Soraghan

 [COMPLEXITY REDUCTION IN NEURAL NETWORKS APPLIED TO TRAFFIC SIGN RECOGNITION TASKS](#) ([Abstract](#))

Raúl Vicen-Bueno, Roberto Gil-Pita, Pilar Jarabo-Amores, Francisco López-Ferreras

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

Gokce Dane, Truong Nguyen

 [SEGMENTATION OF PITCH TRACKS FOR MELODY DETECTION IN POLYPHONIC AUDIO](#) ([Abstract](#))

Rui Pedro Paiva, Teresa Mendes, Amílcar Cardoso

 [RANDOM MOTION FOR CAMERA CALIBRATION](#) ([Abstract](#))

Zoltan Szlavik, Tamas Sziranyi, Laszlo Havasi, Csaba Benedek

 [INTRA-ADAPTIVE MOTION-COMPENSATED LIFTED WAVELETS FOR VIDEO CODING](#) ([Abstract](#))

Oscar Divorra Escoda, Markus Flierl, Pierre Vanderghyest

[Back](#)

[Menu](#)

[Next](#)



Papers



[EFFICIENT NON-UNIFORM FILTER-BANK EQUALIZER](#) ([Abstract](#))

Heinrich Wilhelm Löllmann, Peter Vary



[BLIND SEPARATION OF A DYNAMIC IMAGE SOURCE FROM SUPERIMPOSED REFLECTIONS](#) ([Abstract](#))

Hilitt Unger, Yehoshua Y. Zeevi



[EFFICIENT BIT ALLOCATION FOR HIGH QUALITY SUBBAND CODING USING NON-SELECTIVE FILTER BANKS UNDER QUANTIZATION NOISE CONSTRAINTS](#) ([Abstract](#))

Manuel Rosa-Zurera, Miguel Angel López-Carmona, Enrique Alexandre-Cortizo, Roberto Gil-Pita



[A SINGLE-MICROPHONE APPROACH FOR SPEECH SIGNAL DEREVERBERATION](#) ([Abstract](#))

Fernando Pacheco, Rui Seara



[FULLY AND PARTIALLY INTERPOLATED ADAPTIVE VOLTERRA FILTERS](#) ([Abstract](#))

Eduardo Batista, Orlando Tobias, Rui Seara



[BLIND SEPARATION OF MORE THAN TWO SOURCES BASED ON HIGH-CONVERGENCE ALGORITHM COMBINING ICA AND BEAMFORMING](#) ([Abstract](#))

Tsuyoki Nishikawa, Hiroshi Saruwatari, Kiyohiro Shikano



[PIPELINED MEMORY CONTROLLERS FOR DSP REAL-TIME APPLICATIONS HANDLING UNPREDICTABLE DATA ACCESSES](#) ([Abstract](#))

Bertrand Le Gal, Emmanuel Casseau, Eric Martin



[JOINT OVERSAMPLING FDM DEMULTIPLEXING AND PERFECTLY RECONSTRUCTING SBC FILTER BANK FOR TWO CHANNELS](#) ([Abstract](#))

Heinz G. Göckler, Mohammed N. Abdulazim

[Back](#)

[Menu](#)

[Next](#)



Papers



REAL-TIME END-TO-END SECURE VOICE COMMUNICATIONS OVER GSM VOICE CHANNEL ([Abstract](#))

Nilantha Katugampala, Khaldoon Al-Naimi, Stephane Villette, Ahmet Kondoz



CHANNEL MODELING AND ESTIMATION FOR ROBUST MC-SS SYSTEMS ([Abstract](#))

Seda Senay, Aydin Akan, Luis F. Chaparro



STOCHASTIC MODELLING OF THE TRANSFORM DOMAIN EPSILON-LMS ALGORITHM FOR A TIME-VARYING ENVIRONMENT ([Abstract](#))

Elen Lobato, Orlando Tobias, Rui Seara



TURKISH DICTATION SYSTEM FOR BROADCAST NEWS APPLICATIONS ([Abstract](#))

Ebru Arisoy, Levent M. Arslan



EVOLUTIONARY WIENER-MASK RECEIVER FOR MULTIUSER DIRECT SEQUENCE SPREAD SPECTRUM ([Abstract](#))

Abdullah A. Alshehri, Luis F. Chaparro, Aydin Akan



IMPROVED MULTIUSER DIVERSITY USING SMART ANTENNAS WITH LIMITED FEEDBACK ([Abstract](#))

David Samuelsson, Mats Bengtsson, Björn Ottersten



ESTIMATION OF TIME-VARYING AUTOREGRESSIVE SYMMETRIC ALPHA STABLE PROCESSES BY PARTICLE FILTERS ([Abstract](#))

Deniz Gencaga, Ercan E. Kuruoglu, Aysin Ertuzun



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

Ozgul Salor, Mubecce Demirekler

[Back](#)

[Menu](#)

[Next](#)



Papers



[ON THE PERFORMANCE COMPARISON OF GRADIENT-TYPE JOINT PROCESS ESTIMATORS IN ADAPTIVE SIGNAL PROCESSING](#) ([Abstract](#))

Deniz Gencaga, Aysin Ertuzun



[AN RF-BASED SURVEILLANCE SYSTEM USING COMMERCIAL OFF-THE-SHELF WIRELESS LAN COMPONENTS](#) ([Abstract](#))

Jianjun Chen, Zoltan Safar, John Aasted Sørensen, Kåre Jelling Kristoffersen



[MULTIRATE LINEAR PREDICTION](#) ([Abstract](#))

Charles Therrien



[HIGH-RESOLUTION PARAMETRIC MODELING OF STRING INSTRUMENT SOUNDS](#) ([Abstract](#))

Matti Karjalainen, Tuomas Paatero



[ESTIMATING COGNITIVE STATE USING EEG SIGNALS](#) ([Abstract](#))

Tian Lan, Andre Adami, Deniz Erdogmus, Michael Pavel



[DETECTION OF NONLINEARLY DISTORTED SIGNALS USING MUTUAL INFORMATION](#) ([Abstract](#))

Umut Ozertem, Deniz Erdogmus, Ignacio Santamaria



[TWO-STAGE BLIND SOURCE SEPARATION COMBINING SIMO-MODEL-BASED ICA AND ADAPTIVE BEAMFORMING](#) ([Abstract](#))

Hiroshi Saruwatari, Satoshi Ukai, Tomoya Takatani, Tsuyoki Nishikawa, Kiyohiro Shikano



[WAVELET-BASED DISTRIBUTED SOURCE CODING OF VIDEO](#) ([Abstract](#))

James Fowler, Marco Tagliasacchi, Béatrice Pesquet-Popescu

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Mario Huemer, Michael Lungmayr, Markus Pfaff



[MODULAR INTERACTIONS AND HYBRID MODELS: A CONCEPTUAL MAP FOR MODEL-BASED SOUND SYNTHESIS](#) ([Abstract](#))

Cumhur Erkut



[AN ADAPTIVE MOTION ESTIMATION SCHEME USING MAXIMUM MUTUAL INFORMATION CRITERIA](#) ([Abstract](#))

Jing Zhao, Deniz Erdogmus, Cancan Huang, Dapeng Wu, Yuguang Fang



[PEAK TRACKING AND PARTIAL FORMATION OF MUSIC SIGNALS](#) ([Abstract](#))

Hamid Satar-Boroujeni, Bahram Shafai



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

Petar Djuric, Joaquin Miguez, Monica Bugallo



[A NEW SHARPENED CASCADED COMB-COSINE DECIMATION FILTER](#) ([Abstract](#))

Gordana Jovanovic-Dolecek, Sanjit K. Mitra



[INCORPORATING FREQUENCY WARPING INTO SPARSE COMPONENT ANALYSIS](#) ([Abstract](#))

Saeid Sanei, Savvas Constantinides, Clive Cheong Took, Binyang Song



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

Andrea De Giusti, Stefano Andriani, Gian Antonio Mian

[Back](#)

[Menu](#)

[Next](#)



Papers



[ONE METHOD FOR IIR FILTER DESIGN BASED ON COMPLEX ALLPASS FILTERS](#) ([Abstract](#))

Alfonso Ferandez-Vazquez, Gordana Jovanovic-Dolecek



[INFORMED WATERMARK EMBEDDING IN THE FRACTIONAL FOURIER DOMAIN](#) ([Abstract](#))

Oktay Altun, Mark Bocko, Gaurav Sharma



[LINEAR DISCRIMINANT FEATURE SELECTION TECHNIQUES IN ELASTIC GRAPH MATCHING](#) ([Abstract](#))

Stefanos Zafeiriou, Anastasios Tefas, Ioannis Pitas



[OPTIMIZATION OF CROSSOVER FREQUENCY AND CROSSOVER REGION RESPONSE FOR MULTICHANNEL ACOUSTIC APPLICATIONS](#) ([Abstract](#))

Sunil Bharitkar, Chris Kyriakakis



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

Claude D'Amours, Naser Salam



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

Daniel Schonberg, Stark Draper, Kannan Ramchandran



[LANGUAGE MODELING USING INDEPENDENT COMPONENT ANALYSIS FOR AUTOMATIC SPEECH RECOGNITION](#) ([Abstract](#))

Raghunandan Kumaran, John Gowdy, Karthik Narayanan



[SQUARE-ROOT FORM BASED DERIVATION OF A NOVEL NLMS-LIKE ADAPTIVE FILTERING ALGORITHM](#) ([Abstract](#))

Mounir Bhour

[Back](#)

[Menu](#)

[Next](#)



Papers



[BAYESIAN INFERENCE OF INTRAVOXEL STRUCTURE IN DIFFUSION MRI](#) ([Abstract](#))

Haifang Ge, William J. Fitzgerald, Hadrian A. L. Green



[STEREO-BASED ELLIPTICAL HEAD TRACKING](#) ([Abstract](#))

Karthik Narayanan, John Gowdy, Raghunandan Kumaran



[APPROXIMATE BEST LINEAR UNBIASED CHANNEL ESTIMATION WITH CFAR THRESHOLDING FOR FREQUENCY SELECTIVE SPARSE MULTIPATH CHANNELS WITH LONG DELAY SPREADS](#) ([Abstract](#))

Serdar Özen



[INFORMED SOURCE SEPARATION: A BAYESIAN TUTORIAL](#) ([Abstract](#))

Kevin Knuth



[A ROBUST SEAL IMPRINT VERIFICATION METHOD WITH ROTATION INVARIANCE](#) ([Abstract](#))

Takenobu Matsuura, Kenta Yamazaki



[PROGRESSIVE VIEW-DEPENDENT TRANSMISSION OF 3D MODELS OVER LOSSY NETWORKS](#) ([Abstract](#))

Bugra Tari, Yucel Yemez, Öznur Özkasap, M. Reha Civanlar



[A HIGH-ORDER-MODULATION SPACE-TIME RECEIVER WITH INCREASED PEAK RATE AND THROUGHPUT FOR WIDEBAND CDMA](#) ([Abstract](#))

Sofiène Affes



[ENHANCED POSITION LOCATION WITH UWB IN OBSTRUCTED LOS AND NLOS MULTIPATH ENVIRONMENTS](#) ([Abstract](#))

Syed Faisal Ali Shah, Ahmed H. Tewfik

[Back](#)

[Menu](#)

[Next](#)



Papers



GRAPH-THEORETIC IMAGE REGISTRATION USING PRIOR EXAMPLES ([Abstract](#))

Mert Sabuncu, Peter Ramadge



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

Anssi Klapuri, Tuomas Virtanen, Marko Helén



MULTIPLE-RESOLUTION EDGE-BASED FEATURE REPRESENTATIONS FOR ROBUST FACE SEGMENTATION AND VERIFICATION ([Abstract](#))

Yasufumi Suzuki, Tadashi Shibata



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

Takeshi Tsukuba, Isao Nagayoshi, Tsuyoshi Hanamura, Hideyoshi Tominaga



A NEW METHOD FOR ESTIMATING SCORE FUNCTION DIFFERENCE (SFD) AND ITS APPLICATION TO BLIND SOURCE SEPARATION ([Abstract](#))

Bahman Bahmani, Massoud Babaie-Zadeh, Christian Jutten



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

John Homer, Peter Kootsookos, Vigneswaran Selvaraju



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

Cagatay Dikici, Radhouane Guerrazi, Khalid Idrissi, Atilla Baskurt



DIGITAL WATERMARK TECHNIQUE FOR PROJECTIVE-DISTORTED IMAGES USING COLLINEAR POINTS ([Abstract](#))

Natapon Pantuwong, Wiyada Yawai, Nopporn Chotikakamthorn









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [GPS/GNSS RESIDUAL ANALYSIS VIA COMPETITIVE-GROWTH MODELING OF IONOSPHERE DYNAMICS](#) ([Abstract](#))
Kohji Kamejima
-  [SNR IN WSS JITTERED SAMPLED SIGNAL](#) ([Abstract](#))
Ehsan Arbabi, Mohammad Bagher Shamsollahi
-  [WORST-CASE INTERFERENCE IN DSL SYSTEMS EMPLOYING DYNAMIC SPECTRUM MANAGEMENT](#) ([Abstract](#))
Mark H. Brady, John M. Cioffi
-  [TWO-DIMENSIONAL GARCH MODEL WITH APPLICATION TO ANOMALY DETECTION](#) ([Abstract](#))
Amir Noiboar, Israel Cohen
-  [ERROR RESILIENT MULTIPLEXED CODING WITH RVLC](#) ([Abstract](#))
Xiaosong Wang, Tokunbo Ogunfunmi
-  [DHT-BASED FREQUENCY-DOMAIN EQUALIZER FOR DMT SYSTEMS](#) ([Abstract](#))
Chih-Feng Wu, Muh-Tian Shiue, Chrong-Kuang Wang
-  [A SUBSPACE METHOD FOR CHANNEL ESTIMATION IN SOFT-ITERATIVE RECEIVERS](#) ([Abstract](#))
Monica Barbara Nicoli, Umberto Spagnolini
-  [HMM-BASED TRACKING OF MOVING TERMINALS IN DENSE MULTIPATH INDOOR ENVIRONMENTS](#) ([Abstract](#))
Monica Barbara Nicoli, Carlo Morelli, Vittorio Rampa, Umberto Spagnolini

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Nadia Khaled, Robert Heath, Geert Leus, Bishwarup Mondal, Frederik Petre



[A MOVING WINDOW ALGORITHM FOR L-INFINITY NORM BASED BLIND SOURCE SEPARATION APPROACH](#) ([Abstract](#))

Alper Tunga Erdogan



[BAYESIAN MAXIMUM A POSTERIOR DOA ESTIMATOR BASED ON GIBBS SAMPLING](#) ([Abstract](#))

Jianguo Huang, Xiong Li, Qunfei Zhang



[IMPROVED HMM ENTROPY FOR ROBUST SUB-BAND SPEECH RECOGNITION](#) ([Abstract](#))

Babak Nasersharif, Ahmad Akbari



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

Ilker Hamzaoglu, Esra Sahin



[BLIND SEPARATION OF SPARSE SOURCES USING VARIATIONAL EM](#) ([Abstract](#))

Ali Taylan Cemgil, Cédric Févotte, Simon J. Godsill



[BIT-FLIPPING POST-PROCESSING FOR FORCED CONVERGENCE DECODING OF LDPC CODES](#) ([Abstract](#))

Ernesto Zimmermann, Prakash Pattisapu, Gerhard Fettweis



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

Yan Han, Johan De Veth, Louis Boves

[Back](#)

[Menu](#)

[Next](#)



Papers



MSE OPTIMUM ZONE AND MULTI-ZONE FILTERING ([Abstract](#))

Metin Aktas, T. Engin Tuncer



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

Jérôme Gauthier, Laurent Duval, Jean-Christophe Pesquet



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

Fabio De Vito, Juan Carlos De Martin



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

Annika Hämäläinen, Johan De Veth, Louis Boves



DOUBLE-TALK ROBUST ACOUSTIC ECHO CANCELLATION WITH CONTINUOUS NEAR-END ACTIVITY ([Abstract](#))

Toon Van Waterschoot, Marc Moonen



GENERALIZED PILOT ASSISTED CHANNEL ESTIMATION FOR WCDMA ([Abstract](#))

Ahmet Bastug, Giuseppe Montalbano, Dirk Slock



BLIND SEPARATION OF BINAURAL SOUND MIXTURES USING SIMO-ICA WITH SELF-GENERATOR FOR INITIAL FILTER ([Abstract](#))

Tomoya Takatani, Satoshi Ukai, Tsuyoki Nishikawa, Hiroshi Saruwatari, Kiyohiro Shikano



DESIGN OF INTEGER FILTERS FOR TRANSMULTIPLEXER PERFECT RECONSTRUCTION ([Abstract](#))

Bartosz Ziolko, Mariusz Ziolko, Michal Nowak









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [A TALKER TRACKING METHOD USING TWO MICROPHONES BASED ON THE SOUND SOURCE LOCALIZATION](#) ([Abstract](#))
Kenji Suyama, Kota Takahashi
-  [A GEOMETRICAL A PRIORI FOR CAPTURING THE REGULARITY OF IMAGES](#) ([Abstract](#))
Yann Gousseau, Francois Roueff
-  [A GENERALIZED DUAL MODE BLIND EQUALIZATION SCHEME WITH CARRIER RECOVERY](#) ([Abstract](#))
Bakhtiar Ali, Azzedine Zerguine
-  [IS PCA RELIABLE FOR THE ANALYSIS OF FRACTIONAL BROWNIAN MOTION?](#) ([Abstract](#))
Tolga Esat Özkurt, Tayfun Akgül
-  [ON CONVEX VARIABLE STEP-SIZE ALGORITHM IMPLEMENTATION](#) ([Abstract](#))
Corneliu Rusu, Colin Cowan
-  [SYNCHRONISATION AND DC-OFFSET ESTIMATION FOR CHANNEL ESTIMATION USING DATA-DEPENDENT SUPERIMPOSED TRAINING](#) ([Abstract](#))
Enrique Alameda-Hernandez, Desmond McLernon, Aldo G. Orozco-Lugo, Manuel M. Lara, Mounir Ghogho
-  [TRACKING ANALYSIS OF VARIABLE XE-NLMF ALGORITHM IN THE PRESENCE OF BOTH RANDOM AND CYCLIC NONSTATIONARITIES](#) ([Abstract](#))
Muhammad Moinuddin, Azzedine Zerguine
-  [CLASSIFIED HIGHBAND EXCITATION FOR BANDWIDTH EXTENSION OF TELEPHONY SIGNALS](#) ([Abstract](#))
Yasheng Qian, Peter Kabal

[Back](#)

[Menu](#)

[Next](#)



Papers



FAST MAXIMUM-LIKELIHOOD SEA CLUTTER PARAMETER LEARNING FROM THE OUTPUT OF THE ENVELOPE DETECTOR ([Abstract](#))

Faruk Sari, Nursen Sari, Lamine Mili



NEW DIRECT MULTICHANNEL ACTIVE NOISE CONTROL BY FREQUENCY-DOMAIN APPROACH ([Abstract](#))

Masaki Kamata, Akira Sano



ASYMPTOTICALLY OPTIMAL MAXIMUM-LIKELIHOOD ESTIMATION OF A CLASS OF CHAOTIC SIGNALS USING THE VITERBI ALGORITHM ([Abstract](#))

David Luengo, Ignacio Santamaria, Luis Vielva



AN EFFICIENT ANALYSIS TECHNIQUE FOR DNA SEQUENCES USING MULTIWINDOW GABOR REPRESENTATIONS ([Abstract](#))

Nagesh Subbanna, Yehoshua Y. Zeevi



SOLVING FUNDAMENTAL MATRIX FOR UNCALIBRATED SCENE RECONSTRUCTION ([Abstract](#))

Ugur Topay, Engin Tola, A. Aydin Alatan



ANISOTROPIC LOCAL APPROXIMATIONS FOR POINTWISE ADAPTIVE SIGNAL-DEPENDENT NOISE REMOVAL ([Abstract](#))

Alessandro Foi, Radu Bilcu, Vladimir Katkovnik, Karen Egiazarian



3D VIDEO OBJECTS AT SCALABLE LEVELS OF QUALITY ([Abstract](#))

Christian Weigel, Marco Rittermann



ADAPTIVE INTERFERENCE CANCELLATION USING COMMON-MODE INFORMATION IN DSL ([Abstract](#))

Thomas Magesacher, Per Ödling, Per Ola Börjesson

[Back](#)

[Menu](#)

[Next](#)



Papers

 [FIRST RESULTS ON UNIQUENESS OF SPARSE NON-NEGATIVE MATRIX FACTORIZATION](#) ([Abstract](#))

Fabian Joachim Theis, Kurt Stadthanner, Toshihisa Tanaka

 [SIGNAL PROCESSING ISSUES IN DIFFRACTION AND HOLOGRAPHIC 3DTV](#) ([Abstract](#))

Levent Onural, Haldun M. Ozaktas

 [ON THE FUNDAMENTAL LIMITATIONS OF SPECTRAL SUBTRACTION: AN ASSESSMENT BY AUTOMATIC SPEECH RECOGNITION](#) ([Abstract](#))

Nicholas W. D. Evans, John S. D. Mason, Wei M. Liu, Benoît Fauve

 [OPTIMUM CHAOTIC QUANTIZED SEQUENCES FOR ASYNCHRONOUS DS-CDMA SYSTEM](#) ([Abstract](#))

Calin Vladeanu

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

Lutfiye Durak, Ahmet Kemal Ozdemir, Orhan Arıkan, Ickho Song

 [MULTIDIMENSIONAL INDEPENDENT COMPONENT ANALYSIS USING CHARACTERISTIC FUNCTIONS](#) ([Abstract](#))

Fabian Joachim Theis

 [THE INFLUENCE OF A SINGLE-TONE SINUSIOD OVER HURST ESTIMATORS](#) ([Abstract](#))

Suleyman Baykut, Tolga Esat Ozkurt, Melike Erol, Tayfun Akgül

 [A PRACTICAL SOLUTION TO TRANSFORM-DOMAIN ROUNDING](#) ([Abstract](#))

Chen Chen, Ping-Hao Wu, Homer Chen

[Back](#)

[Menu](#)

[Next](#)



Papers



[OPTIMUM SPECTRAL SHAPING FOR DISCRETE MULTITONE DEMODULATION](#) ([Abstract](#))

Tomasz Twardowski



[SUBJECTIVE EVALUATION OF EFFECTS OF SPECTRAL AND SPATIAL REDUNDANCY REDUCTION ON STEREO IMAGES](#)
([Abstract](#))

Anil Aksay, Cagdas Bilen, Gozde Bozdagi Akar



[A NEW METHOD FOR MULTI-RESOLUTION TEXTURE SEGMENTATION USING GAUSSIAN MARKOV RANDOM FIELDS](#)
([Abstract](#))

Roni Mittelman, Moshe Porat



[PLATFORM FOR EVALUATION OF EMBEDDED COMPUTER VISION ALGORITHMS FOR AUTOMOTIVE APPLICATIONS](#)
([Abstract](#))

Wilfried Kubinger, Stefan Borbely, Hannes Hemetsberger, Richard Isaacs



[PERCEPTUAL TIME-VARYING MODELLING OF SPEECH SIGNALS FOR ASR COMPRESSION APPLICATION](#) ([Abstract](#))

Amir Leibman, Ilan D. Shallom



[AN UNSUPERVISED SEGMENTATION-BASED CODER FOR MULTISPECTRAL IMAGES](#) ([Abstract](#))

Marco Cagnazzo, Luca Cicala, Giovanni Poggi, Luisa Verdoliva, Giuseppe Scarpa



[MMSE ESTIMATION OF BASIS EXPANSION MODELS FOR RAPIDLY TIME-VARYING CHANNELS](#) ([Abstract](#))

Imad Barhumi, Geert Leus, Marc Moonen



[ON THE PERFORMANCE OF STANDARD-INDEPENDENT I/Q IMBALANCE COMPENSATION IN OFDM DIRECT-CONVERSION RECEIVERS](#) ([Abstract](#))

Marcus Windisch, Gerhard Fettweis

[Back](#)

[Menu](#)

[Next](#)



Papers



[MUTUAL INFORMATION AND QUADRATIC DEPENDENCE FOR POST NONLINEAR BLIND SOURCE SEPARATION](#) ([Abstract](#))

Sophie Achard, Christian Jutten, Dinh-Tuan Pham



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

Kenji Nakayama, Akihiro Hirano, Hiroaki Kashimoto



[COMPLEXITY REGULARIZED VIDEO WATERMARKING VIA QUANTIZATION OF PSEUDO-RANDOM SEMI-GLOBAL LINEAR STATISTICS](#) ([Abstract](#))

Oztan Harmanci, M. Kivanc Mihcak



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

Lukasz Blaszak, Marek Domanski



[CLOSED-FORM DESIGN OF DIGITAL FRACTIONAL-DELAY FILTERS WITH CONSTANT MAGNITUDE AND VARIABLE DELAY](#) ([Abstract](#))

Zhang Xiaojing, Timo Laakso, Martin Makundi



[SYNTHESIS OF IRIS IMAGES USING MARKOV RANDOM FIELDS](#) ([Abstract](#))

Sarvesh Makthal, Arun Ross



[MODEL BASED EEG SIGNAL PURIFICATION TO IMPROVE THE ACCURACY OF THE BCI SYSTEMS](#) ([Abstract](#))

Farid Atri, Amir Hossein Omidvarnia, Seyed Kamaledin Setarehdan



[IMPROVED BEARING ESTIMATION IN OCEAN BY NONLINEAR WAVELET DENOISING UNDER NON-GAUSSIAN NOISE CONDITIONS](#) ([Abstract](#))

N. C. Pramod, G. V. Anand

[Back](#)

[Menu](#)

[Next](#)



Papers



[A QUANTIZATION NOISE ROBUST SHAPE PREDICTION ALGORITHM](#) ([Abstract](#))

M. Khansari, H. R. Rabie, M. Asadi, M. Ghanbari



[MULTICOMPONENT SIGNAL: LOCAL ANALYSIS AND ESTIMATION](#) ([Abstract](#))

Meryem Jabloun, Nadine Martin, Michelle Vieira, Francois Leonard



[MAJORITY ORDERING FOR COLOUR MATHEMATICAL MORPHOLOGY](#) ([Abstract](#))

Alessandro Ledda, Wilfried Philips



[FEATURE EXTRACTION OF ARTIFICIAL TONGUE DATA USING GRAM-SCHMIDT ORTHONORMALIZATION](#) ([Abstract](#))

Iasen Hristozov, Pencheva Tania, Selim Eskiizmirli



[MULTIPLE-DESCRIPTION CODING OF LOGARITHMIC PCM](#) ([Abstract](#))

Kai Clüver, Thomas Sikora



[100% OPERATIONAL EFFICIENT BIT-SERIAL PROGRAMMABLE FIR DIGITAL FILTERS](#) ([Abstract](#))

Paraskevas Kalivas, Andreas Tsirikos, Paul Bougas, Kiamal Pekmezci



[MELODY SPOTTING IN RAW AUDIO RECORDINGS USING VARIABLE DURATION HIDDEN MARKOV MODELS](#) ([Abstract](#))

Aggelos Pikrakis, Sergios Theodoridis



[CATEGORY PRUNING IN IMAGE DATABASES USING SEGMENTATION AND DISTANCE MAPS](#) ([Abstract](#))

Baris Sumengen, B. S. Manjunath

[Back](#)

[Menu](#)

[Next](#)



Papers



[A QUANTITATIVE METHOD FOR PERFORMANCE ANALYSIS OF AN ISOLATED WORD ASR SYSTEM](#) ([Abstract](#))

Michele Gubian, Luigi Arnone, Sergio Brofferio



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

Cléo Baras, Nicolas Moreau, Przemyslaw Dymarski



[ADAPTIVE LAYERED SPACE-FREQUENCY EQUALIZATION FOR SINGLE-CARRIER MIMO SYSTEMS](#) ([Abstract](#))

Ye Wu, Xu Zhu, Asoke K. Nandi



[TIME-FREQUENCY ESTIMATION IN THE COSPAS/SARSAT SYSTEM USING ANTENNA ARRAYS: VARIANCE BOUNDS AND ALGORITHMS](#) ([Abstract](#))

Carles Fernández Prades, Pau Closas Gómez, Juan A. Fernández Rubio



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

Giovanni Dainese, Marco Marcon, Augusto Sarti, Stefano Tubaro



[NAVIGATION SYSTEM FOR BRONCHOFIBEROSCOPIC PROCEDURES BASED ON IMAGE REGISTRATION WITH SCALE ADAPTIVE IMAGE SIMILARITY MEASURE](#) ([Abstract](#))

Pawel Turcza



[BLIND SEPARATION OF TISSUES IN MULTI-MODAL MRI USING SPARSE COMPONENT ANALYSIS](#) ([Abstract](#))

Alexander Bronstein, Michael Bronstein, Michael Zibulevsky, Yehoshua Y. Zeevi



[AN ENERGY-CONSERVING DIFFERENCE SCHEME FOR NONLINEAR COUPLED TRANSVERSE/LONGITUDINAL STRING VIBRATION](#) ([Abstract](#))

Stefan Bilbao

[Back](#)

[Menu](#)

[Next](#)



Papers



[MAXIMUM A POSTERIORI ESTIMATION OF RADAR CROSS SECTION IN SAR IMAGES USING THE HEAVY-TAILED RAYLEIGH MODEL](#) ([Abstract](#))

Alin Achim, Ercan E. Kuruoglu, Josiane Zerubia



[COMPLEX ICA FOR CIRCULAR AND NON-CIRCULAR SOURCES](#) ([Abstract](#))

Jan Eriksson



[CONSTRAINT TRANSLATIONAL AND ROTATIONAL MOTION FILTERING FOR VIDEO STABILIZATION](#) ([Abstract](#))

Marius Tico, Markku Vehviläinen



[KALMAN FILTER PARAMETERS AS A NEW EEG FEATURE VECTOR FOR BCI APPLICATIONS](#) ([Abstract](#))

Amir Hossein Omidvarnia, Farid Atri, Seyed Kamaledin Setarehdan, Babak Najar Arabi



[DENOISING OF IMAGES WITH MULTIPLICATIVE NOISE CORRUPTION](#) ([Abstract](#))

Zhiling Long, Nicolas Younan



[PARALLEL IMPLEMENTATION OF FINITE DIFFERENCE SCHEMES FOR THE PLATE EQUATION ON A FPGA-BASED MULTI-PROCESSOR ARRAY](#) ([Abstract](#))

Erdem Motuk, Roger Woods, Stefan Bilbao



[REGION-LEVEL MOVING OBJECT SEGMENTATION BY GRAPH LABELING](#) ([Abstract](#))

Ilias Grinias, George Tziritas



[COMPLEXITY ANALYSIS OF FUNCTIONAL NEAR-INFRARED SPECTROSCOPY SIGNALS](#) ([Abstract](#))

Koray Ciftci, Yasemin Kahya, Bülent Sankur, Ata Akin

[Back](#)

[Menu](#)

[Next](#)



Papers

 [CUBIC PHASE COUPLING ESTIMATION VIA TRISPECTRUM AUTORREGRESIVE MODELLING](#) ([Abstract](#))

Diego Pablo Ruiz

 [A RECEIVER-DRIVEN MULTICASTING FRAMEWORK FOR 3DTV TRANSMISSION](#) ([Abstract](#))

Engin Kurutepe, M. Reha Civanlar, A. Murat Tekalp

 [A TWO-STEP TIME OF ARRIVAL ESTIMATION ALGORITHM FOR IMPULSE RADIO ULTRA WIDEBAND SYSTEMS](#) ([Abstract](#))

Sinan Gezici, Zafer Sahinoglu, Andreas F. Molisch, Hisashi Kobayashi, H. Vincent Poor

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

Tao Wei, Yufei Huang, Philip Chen

 [FROM A PHYSICAL SCANNED MAP TO A DIGITAL ELEVATION MODEL USING THE LEGEND AND KRIGING](#) ([Abstract](#))

Carol Rus, Jaakko Astola, Corneliu Rusu

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

Changjin Hong, Ahmed H. Tewfik, David H. C. Du

 [FAULT DETECTION TECHNIQUES ANALYSIS AND DEVELOPMENT OF ITS PROCEDURAL PHASES](#) ([Abstract](#))

Ryadh H. Mokhneche, Hichem Maaref, Vincent Vigneron

 [A NEW DISTANCE MEASURE EMPLOYING ELEMENT-SIGNIFICANCE FACTORS FOR ROBUST IMAGE CLASSIFICATION](#) ([Abstract](#))

Kunio Kawahara, Tadashi Shibata

[Back](#)

[Menu](#)

[Next](#)



Papers



MEASURING DIFFERENCES BETWEEN FACES ([Abstract](#))

Manuele Bicego, Enrico Grosso, Andera Lagorio, Massimo Tistarelli



EDGE ADAPTED WAVELET TRANSFORM FOR IMAGE COMPRESSION ([Abstract](#))

Fikri Goksu, Ahmed H. Tewfik



A SMART CAMERA APPROACH TO REAL-TIME TRACKING ([Abstract](#))

Sven Fleck, Sven Lanwer, Wolfgang Strasser



PERFECT RECONSTRUCTION IN REDUCED REDUNDANCY WAVELET-BASED MULTIPLE DESCRIPTION CODING OF IMAGES ([Abstract](#))

Teodora Petrisor, Béatrice Pesquet-Popescu, Jean-Christophe Pesquet



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

Ilker Hamzaoglu, Ozgur Tasdizen



GEOMETRY COMPRESSION OF TETRAHEDRAL MESHES USING OPTIMIZED PREDICTION ([Abstract](#))

Dan Chen, Yi-Jen Chiang, Nasir Memon, Xiaolin Wu



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

Ashrith Deshpande, Steven L. Grant



A PROBABILISTIC APPROACH TO BOUNDARY HANDLING ([Abstract](#))

Anil Anthony Bharath, Jeffrey Ng

[Back](#)

[Menu](#)

[Next](#)



Papers



DESIGN AND AUTOMATIC CODE GENERATION OF A TWO-DIMENSIONAL FAST COSINE TRANSFORM FOR SIMD DSP ARCHITECTURES ([Abstract](#))

Arne Lehman, Pablo Robelly, Gerhard Fettweis



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

Pascale Woodruff, Stéphane Dupont



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

Krzysztof Kryszczuk, Jonas Richiardi, Plamen Prodanov, Andrzej Drygajlo



SPATIOTEMPORAL BLIND SOURCE SEPARATION USING DOUBLE-SIDED APPROXIMATE JOINT DIAGONALIZATION ([Abstract](#))

Fabian Joachim Theis, Peter Gruber, Ingo Keck, Anke Meyer-Baese, Elmar Wolfgang Lang



LOW-COMPLEXITY METHOD FOR PAPR REDUCTION IN OFDM BASED ON FRAME EXPANSION PARAMETER SELECTION ([Abstract](#))

Lucia Valbonesi, Rashid Ansari



BIOMETRIC TEMPLATE SECURITY: CHALLENGES AND SOLUTIONS ([Abstract](#))

Anil Jain, Arun Ross, Umut Uludag



REAL-TIME SPEECH VISUALIZATION SYSTEM :KANNON – APPLYING AUDITORY CHARACTERISTICS ([Abstract](#))

Ken Nakamuro, Katsuhiro Haruki, Sueo Sugimoto



A SEQUENTIAL MONTE CARLO METHOD FOR BLIND PHASE NOISE ESTIMATION AND DATA DETECTION ([Abstract](#))

Erdal Panayirci, Hakan Ali Cirpan, Marc Moeneclaey

[Back](#)

[Menu](#)

[Next](#)



Papers



[ROBUST DECONVOLUTION OF NOISY SIGNALS](#) ([Abstract](#))

Yonina Eldar



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

Yonina Eldar, Tsvi Dvorkind



[ADAPTIVE RESOLUTION ANGLE OF ARRIVAL ESTIMATION](#) ([Abstract](#))

Gunes Karabulut, Abbas Yongacoglu, Tolga Kurt



[MIMO GENERALIZED DECORRELATING DISCRETE-TIME RAKE RECEIVER](#) ([Abstract](#))

Tuncer Baykas, Abbas Yongacoglu, Mohamed Siala



[SOUNDERS FOR MIMO CHANNEL MEASUREMENTS](#) ([Abstract](#))

Sana Salous, Stuart Feeney, Nima Razavi-Ghods, Mustafa Abdallah



[FEATURE COMPENSATION WITH SECONDARY SENSOR MEASUREMENTS FOR ROBUST SPEECH RECOGNITION](#) ([Abstract](#))

Bhiksha Raj, Rita Singh



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

Ivo Batina, Jesper Jensen, Richard Heusdens



[FREE-FORM PLANAR CURVE TRACKING USING RELATED POINTS](#) ([Abstract](#))

Burak Yoldem, Mustafa Unel, Aytul Ercil

[Back](#)

[Menu](#)

[Next](#)



Papers

 [SPATIAL PREDICTION FILTERS FOR ATTENUATION OF SEISMIC INTERFERENCE NOISE](#) ([Abstract](#))

Necati Gulunay, Mag Magesan, Simon Baldock

 [DESIGN AND PERFORMANCE ANALYSIS OF AN IMPULSE RADIO ULTRAWIDEBAND MULTIUSER TRANSMISSION SCHEME FOR WIRELESS PERSONAL AREA NETWORKS APPLICATIONS](#) ([Abstract](#))

Jaouhar Ayadi, Istvan Kovacs, Christoph Mecklenbräuker, John Farserotu

 [SIMULTANEOUS TRIPLE-REGISTRATION OF ICTAL SPECT, INTERICTAL SPECT AND MR IMAGES FOR EPILEPSY STUDIES: METHOD AND VALIDATION](#) ([Abstract](#))

Erkan Unal Mumcuoglu, Fatih Nar, Yasemin Yardimci, Umüt Kocak, Eser Lay Ergun, Belkis Erbas, Omer Ugur, Bilge Volkan Salanci

 [GEOMETRICALLY-BASED SPACE-TIME DETERMINISTIC MULTIPATH FADING CHANNEL MODEL WITH APPLICATION TO SPATIAL CORRELATION VERIFICATION OF MULTI-ANTENNA SYSTEMS](#) ([Abstract](#))

Arastoo Rostami-Ravari, Borhanuddin Mohd. Ali, S. S. Jamuar, M. U. Siddiqi

 [SUBBAND ADAPTIVE EQUALISER TRACKING FOR FRACTIONALLY-SAMPLED FADING BROADBAND MIMO CHANNELS](#) ([Abstract](#))

Stephan Weiss, Viktor Bale

 [ROBUST SUBSPACE TECHNIQUE FOR JOINT ANGLE/DOPPLER ESTIMATION IN NON-GAUSSIAN CLUTTER](#) ([Abstract](#))

Hocine Belkacemi, Sylvie Marcos

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

Fazil Duman, Osman Erogul, Ziya Telatar, Sinan Yetkin

 [MULTIPATH CHANNEL ESTIMATION VIA THE MPM ALGORITHM](#) ([Abstract](#))

Olivier Rabaste, Thierry Chonavel









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [ADAPTIVE ITERATIVE LAYERED SPACE-FREQUENCY EQUALIZATION FOR SINGLE-CARRIER MIMO SYSTEMS](#) ([Abstract](#))
Xu Zhu
-  [FAST NEURAL NETWORKS FOR PATTERN DETECTION USING 2D-FFT](#) ([Abstract](#))
Hazem Mokhtar El-Bakry
-  [FEATURE WEIGHTED MAHALANOBIS DISTANCE: IMPROVED ROBUSTNESS FOR GAUSSIAN CLASSIFIERS](#) ([Abstract](#))
Matthias Wölfel, Hazim Kemal Ekenel
-  [ROBUST AUDIO WATERMARK DECODING BY NONLINEAR CLASSIFICATION](#) ([Abstract](#))
Serap Kirbiz, Yusuf Yaslan, Bilge Günsel
-  [MULTI-CARRIER SIGNAL SHAPING EMPLOYING HERMITE FUNCTIONS](#) ([Abstract](#))
Tolga Kurt, Mohamed Siala, Abbas Yongacoglu
-  [CLASSIFICATION BASED DATA MIXING FOR HYBRID DE-INTERLACING TECHNIQUES](#) ([Abstract](#))
Meng Zhao, Calina Ciuhu, Gerard De Haan
-  [WAVELET DOMAIN ASTRONOMICAL MULTIBAND IMAGE FUSION AND RESTORATION USING MARKOV QUADTREE AND COPULAS](#) ([Abstract](#))
Farid Flitti, Christophe Collet, Eric Slezak
-  [AUDITORY EYES: REPRESENTING VISUAL INFORMATION IN SOUND AND TACTILE CUES](#) ([Abstract](#))
Suresh Matta, Heiko Rudolph, Dinesh K. Kumar

[Back](#)

[Menu](#)

[Next](#)



Papers



[DATA-HIDING WITH PARTIALLY AVAILABLE SIDE INFORMATION](#) ([Abstract](#))

Sviatoslav Voloshynovskiy, Oleksiy Koval, Fernando Perez-Gonzalez, M. Kivanc Mihcak, Thierry Pun, Jose Vila



[OPTIMAL HANKEL-NORM APPROXIMATION OF IIR BY FIR SYSTEMS](#) ([Abstract](#))

Li Chai, Jingxin Zhang, Cisheng Zhang, Edoardo Mosca



[AN EXEMPLARY COMPARISON OF PER ANTENNA RATE CONTROL BASED MIMO-HSDPA RECEIVERS](#) ([Abstract](#))

Qipeng Cai, Andreas Wilzeck, Christoph Schindler, Steffen Paul, Thomas Kaiser



[LINEAR MULTIUSER RECEIVERS FOR ASYNCHRONOUS MC-CDMA SYSTEMS](#) ([Abstract](#))

Tiziano Bianchi, Fabrizio Argenti, Enrico Barsali



[BLOCK-BASED SPEECH BANDWIDTH EXTENSION SYSTEM WITH SEPERATED ENVELOPE ENERGY RATIO ESTIMATION](#) ([Abstract](#))

Sheng Yao, Cheung-Fat Chan



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

Tuomas Järvinen, Perttu Salmela, Panu Hämäläinen, Jarmo Takala



[EVALUATION OF THE DISCRIMINATION POWER OF FEATURES EXTRACTED FROM 2-D AND 3-D FACIAL IMAGES FOR FACIAL EXPRESSION ANALYSIS](#) ([Abstract](#))

Ioanna-Ourania Stathopoulou, George Tsihrintzis



[EMOTION INCLUSION IN AN ARABIC TEXT-TO-SPEECH](#) ([Abstract](#))

Oumayma Al-Hakawati Al-Dakkak, Nada Ghneim, Mohamed Abou Zliekha, Samer Al-Moubayed

[Back](#)

[Menu](#)

[Next](#)



Papers



SPEECH STEGANALYSIS USING CHAOTIC-TYPE FEATURES ([Abstract](#))

Osman Hilmi Kocal, Emrah Yuruklu, Ismail Avcibas



A MODIFIED STREAM GENERATOR FOR THE GSM ENCRYPTION ALGORITHMS A5/1 AND A5/2 ([Abstract](#))

Imran Erguler, Emin Anarim



A COMPARATIVE STUDY OF SOME TIME-FREQUENCY DISTRIBUTIONS USING RENYI CRITERION ([Abstract](#))

Daoud Boutana, F. Marir, Messaoud Benidir, B. Barkat



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

Dominik Seethaler, Harold Artes, Franz Hlawatsch



A NOVEL, OPTIMIZED CORDIC CORE FOR PHASE CORRELATION MOTION ESTIMATION ([Abstract](#))

Andrea Molino, Fabrizio Vacca



3D FACE RECOGNITION FOR BIOMETRIC APPLICATIONS ([Abstract](#))

Lale Akarun, Berk Gokberk, Albert Ali Salah



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

Georg Meindl-Pfeiffer, Reinhard Kloibhofer, Florian Kaltenberger, Gerhard Humer



SENSITIVITY OF NEURAL NETWORKS WHICH APPROXIMATE THE NEYMAN-PEARSON DETECTOR TO THRESHOLD VARIATIONS ([Abstract](#))

Pilar Jarabo-Amores, Roberto Gil-Pita, Manuel Rosa-Zurera, Francisco López-Ferreras

[Back](#)

[Menu](#)

[Next](#)



Papers



[QUADRATIC WEIGHTED MEDIAN FILTERS FOR NOISY IMAGE SHARPENING](#) ([Abstract](#))

Tuncer Can Aysal, Kenneth E. Barner



[HYBRID SEGMENTATION OF THE HIPPOCAMPUS IN MR IMAGES](#) ([Abstract](#))

Wei Wei Lee, Iain Richardson, Yafan Zhao, Ken Gow, Roger T. Staff



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

Elias Sebastiano Giuseppe Carotti, Juan Carlos De Martin



[COMPARATIVE STUDY OF LETTER ENCODING FOR TEXT-TO-PHONEME MAPPING](#) ([Abstract](#))

Eniko Beatrice Bilcu, Jaakko Astola, Jukka Saarinen



[CLOSED-LOOP VIDEO PROCESSING FOR OBJECTIVE QUALITY OPTIMIZATION](#) ([Abstract](#))

Jorge Caviedes, Ali Walid



[LOCAL RADON TRANSFORMS VIA GENERALIZED DECONVOLUTION](#) ([Abstract](#))

Mauricio D. Sacchi



[SINGLE-CARRIER TRANSMISSION WITH ITERATIVE FREQUENCY-DOMAIN DECISION-FEEDBACK EQUALIZATION](#) ([Abstract](#))

Sari Hikmet, Sainte-Agathe Frédérique



[A MULTIMODAL APPROACH TO EXTRACT OPTIMIZED AUDIO FEATURES FOR SPEAKER DETECTION](#) ([Abstract](#))

Patricia Besson, Murat Kunt, Torsten Butz, Jean-Philippe Thiran

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Jean Pierre Delmas, Habti Abeida



[IMAGE MANIPULATION DETECTION WITH BINARY SIMILARITY MEASURES](#) ([Abstract](#))

Sevinc Bayram, Ismail Avcibas, Bülent Sankur, Nasir Memon



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

Enrico Masala, Davide Quaglia, Juan Carlos De Martin



[ROBUST FEATURES FOR NOISY SPEECH RECOGNITION BASED ON FILTERING AND SPECTRAL PEAKS IN AUTOCORRELATION DOMAIN](#) ([Abstract](#))

Gholamreza Farahani, Mohammad Ahadi



[H.264/AVC-COMPATIBLE CODING OF DYNAMIC LIGHT FIELDS USING TRANSPOSED PICTURE ORDERING](#) ([Abstract](#))

Ulrich Fecker, André Kaup



[MULTIDIMENSIONAL FILTERING OF IRREGULARLY SAMPLED SEISMIC DATA](#) ([Abstract](#))

Ali Özbek, Ralf Ferber



[ROBUST COLOR OBJECT DETECTION AND RECOGNITION](#) ([Abstract](#))

Maaoui Choubeila, Christophe Rosenberger, Sébastien Chabrier



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

Philippe Ravier, Cedric Dumez-Viou

[Back](#)

[Menu](#)

[Next](#)



Papers



[LOW COMPLEXITY ITERATIVE METHOD OF SIGNAL DETECTION IN OFDM](#) ([Abstract](#))

Sajid Ahmed, Mathini Sellathurai, Sangarapillai Lambotharan, Jonathon A. Chambers



[BLIND MULTIUSER DETECTION BY ACCELERATED SUBSPACE TRACKING](#) ([Abstract](#))

Shohei Kikuchi, Akira Sano, Björn Ottersten



[ON H-INFINITY BASED DIRECTION FINDING AND SOURCE DETECTION](#) ([Abstract](#))

Kiriakos Kiriakidis, Richard O'Brien



[INFORMATION-THEORETIC SIGNAL PROCESSING ON THE TIME-FREQUENCY PLANE AND APPLICATIONS](#) ([Abstract](#))

Selin Aviyente



[MULTI-RELAY STRATEGY FOR IMPERFECT CHANNEL INFORMATION IN SENSOR NETWORKS](#) ([Abstract](#))

Nima Khajehnouri, Ali H. Sayed



[REALIZATION OF A PSYCHOACOUSTIC MODEL FOR MPEG 1 USING GAMMACHIRP WAVELET TRANSFORM](#) ([Abstract](#))

Samar Krimi, Kaïs Ouni, Nouredine Ellouze



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

Jean-Pierre Dubois



[SPECTRAL ESTIMATION OF RADIO ASTRONOMICAL SOURCES CORRUPTED BY DIGITAL MODULATED RADIO FREQUENCY INTERFERENCES](#) ([Abstract](#))

Rodolphe Weber, Stephanie Bretteil, Nouredine Bouguerriou

[Back](#)

[Menu](#)

[Next](#)



Papers



[FAST ENCODING METHOD FOR IMAGE VECTOR QUANTIZATION BY USING PARTIAL SUM CONCEPT IN WALSH DOMAIN](#)

[\(Abstract\)](#)

Zhibin Pan, Koji Kotani, Tadahiro Ohmi



[A NEW STABLE ADAPTIVE IIR FILTER FOR ACTIVE NOISE CONTROL SYSTEMS](#) [\(Abstract\)](#)

Allahyar Montazeri, Mohammad Hossein Kahaei, Javad Poshtan



[BEARING AND RANGE ESTIMATION USING WIDE-BAND MUSIC METHOD](#) [\(Abstract\)](#)

Zineb Saidi, Salah Bourennane, Laurent Guillon, Patrick Sanchez



[A NEW METHOD FOR SEPARATION OF SPEECH SIGNALS IN CONVOLUTIVE MIXTURES](#) [\(Abstract\)](#)

Mahmood Ferdosizadeh, Massoud Babaie-Zadeh, Farrokh A. Marvasti



[A MEAN FIELD APPROXIMATION APPROACH TO BLIND SOURCE SEPARATION WITH LP PRIORS](#) [\(Abstract\)](#)

Mahieddine M. Ichir, Ali Mohammad-Djafari



[A PRACTICAL LATTICE QIM METHOD: TCQ-IS](#) [\(Abstract\)](#)

Ersin Esen, A. Aydin Alatan



[LATTICE DECODING OF LAYERED VERTICAL SPACE-TIME CODES](#) [\(Abstract\)](#)

Miguel Bazdresch, Jorge Rodriguez-Guisantes



[IMAGE SEGMENTATION USING COLOR AND TEXTURE FEATURES](#) [\(Abstract\)](#)

Ediz Polat, Mustafa Ozden

[Back](#)

[Menu](#)

[Next](#)



Papers



[OPTIMAL BIT ALLOCATION IN SCALABLE MULTIPLE DESCRIPTION VIDEO CODING FOR PACKET LOSS RESILIENCE](#)

[\(Abstract\)](#)

Emrah Akyol, A. Murat Tekalp, M. Reha Civanlar



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

Ralph Braspenning, Eric Brouwer, Gerard De Haan



[BAYESIAN MRF-BASED BLIND SOURCE SEPARATION OF CONVOLUTIVE MIXTURES OF IMAGES](#) [\(Abstract\)](#)

Anna Tonazzini, Ivan Gerace



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

Petr Dokladal, Eva Dokladalova



[IMPROVEMENTS ON COMMON VECTOR APPROACH](#) [\(Abstract\)](#)

Rifat Edizkan, M. Bilginer Gulmezoglu, Semih Ergin, Atalay Barkana



[HISTOGRAM-BASED BLIND SOURCE SEPARATION OF MORE SOURCES THAN SENSORS USING A DUET-ESPRIT TECHNIQUE](#) [\(Abstract\)](#)

Thomas Melia, Scott Rickard, Conor Fearon



[PULSE SHAPE DESIGN USING ITERATIVE PROJECTIONS](#) [\(Abstract\)](#)

H. Emre Guven, A. Enis Cetin



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

Sylvain Boltz, Eric Debreuve, Michel Barlaud

[Back](#)

[Menu](#)

[Next](#)



Papers



[EVALUATION OF CLASSIFICATION TECHNIQUES FOR AUDIO INDEXING](#) ([Abstract](#))

José Anibal Arias, Julien Pinquier, Régine André-Obrecht



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

Mingzhou Ding, Kevin Knuth, Yonghong Chen, Steven Bressler, Charles Schroeder



[A NEW ITERATIVE SPEECH ENHANCEMENT SCHEME BASED ON KALMAN FILTERING](#) ([Abstract](#))

Chunjian Li, Søren Vang Andersen



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

Najat Chihab, Anissa Zergainoh, Jean-Pierre Astruc, Pierre Duhamel



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

Abdellatif Zaidi, Pierre Duhamel



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

Lorène Allano, Sonia Garcia-Salicetti, Mohamed Anouar Mellakh, Bernadette Dorizzi



[WHERE TO SPEND THE BITS? EFFICIENCY OF SOURCE AND CHANNEL CODING IN MBMS](#) ([Abstract](#))

Kemal Ugur, Stephan Wenger, Dong Tian, Moncef Gabbouj



[PILOT-SYMBOL-AIDED ITERATIVE CHANNEL ESTIMATION FOR OFDM-BASED SYSTEMS](#) ([Abstract](#))

Berna Ozbek, Didier Le Ruyet, Cristiano Panazio

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Zakia Hammal, Baris Bozkurt, Laurent Couvreur, Devrim Unay, Alice Caplier, Thierry Dutoit



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

Youssef Stitou, Marc Donias, Brahim Aksasse



[DATA-AIDED TIMING RECOVERY IN THE PRESENCE OF DATA-DEPENDENT NOISE](#) ([Abstract](#))

Jamal Riani, Steven Van Beneden, Jan Bergmans



[THE LOCAL HARMONIC DECOMPOSITION: A TOOL FOR EXTRACTING ANGLE INFORMATION FROM WAVEFIELDS](#) ([Abstract](#))

Robert Soubaras



[ORTHOGONALIZATION OF QUASI-ORTHOGONAL SPACE-TIME BLOCK CODES IN MULTIPATH FADING ENVIRONMENTS BY USING FEEDBACK](#) ([Abstract](#))

Cenk Toker, Sangarapillai Lambotharan, Jonathon A. Chambers



[A CONTEXTUAL MODEL FOR SEMANTIC VIDEO STRUCTURING](#) ([Abstract](#))

Bruno Janvier Janvier



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

Ismail Uysal, Harsha Sathyendra, John G. Harris



[CONTENT-BASED IMAGE INDEXING AND RETRIEVAL FRAMEWORK ON SYMBIAN BASED MOBILE PLATFORM](#) ([Abstract](#))

Olcay Guldogan, Moncef Gabbouj

[Back](#)

[Menu](#)

[Next](#)



Papers



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

Piotr Stec, Marek Domanski



SYNTHETIC APERTURE RADAR IMAGING FROM TRUNCATED DATA ([Abstract](#))

Vito Pascazio, Alessandra Budillon, Daniele Pisa, Gilda Schirinzi



FUSING DIGITAL AUDIO WATERMARKING AND AUTHENTICATION IN DIVERSE SIGNAL DOMAINS ([Abstract](#))

Nedeljko Cvejic, Tapio Seppänen



DETECTION AND TRACKING OF NON-STATIONARY TRANSIENT SIGNALS BASED ON THE INNOVATIONS FILTER ([Abstract](#))

Maciej Lopatka, Olivier Adam, Christophe Laplanche, Jean-François Motsch, Jan Zarzycki



A CROSS-LAYER APPROACH FOR MINIMUM DELAY CONTENT ADAPTIVE VIDEO STREAMING OVER VARIABLE BITRATE CHANNELS ([Abstract](#))

Tanir Ozecebi, A. Murat Tekalp, M. Reha Civanlar, M. Oguz Sunay



ROBUST BICLUSTERING ALGORITHM (ROBA) FOR DNA MICROARRAY DATA ANALYSIS ([Abstract](#))

Alain Beaudelaire Tchagang, Ahmed H. Tewfik



EFFICIENT LOSSLESS COLOUR IMAGE CODING WITH SPECK ([Abstract](#))

Fouad Khelifi, Ahmed Bouridane, Fatih Kurugollu



ANALYSIS OF THE RESPONSE TIME COMPENSATION SYSTEM FOR LIQUID CRYSTAL DISPLAYS ([Abstract](#))

Sanjeev Kumar, Mainak Biswas, Truong Nguyen

[Back](#)

[Menu](#)

[Next](#)



Papers



[EFFICIENT MOTION ESTIMATION UTILIZING QUADRATURE FILTERS](#) ([Abstract](#))

Atanas Boev, Chavdar Kalchev, Atanas Gotchev, Tapio Saramäki, Karen Egiazarian



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

Ewa Hermanowicz



[MAPPING BY ADAPTIVE THRESHOLD METHOD FOR DIMENSION REDUCTION OF CONTENT-BASED INDEXING AND RETRIEVAL FEATURES](#) ([Abstract](#))

Esin Guldogan, Moncef Gabbouj



[OFF-LINE SIGNATURE VERIFICATION AND RECOGNITION BY SUPPORT VECTOR MACHINE](#) ([Abstract](#))

Emre Ozgunduz, Tulin Senturk, Elif Karsligil



[PCA BASED CHOICE OF REPRESENTATIVE COLORS FOR SKIN DETECTION](#) ([Abstract](#))

Kamel Chenaoua, Ahmed Bouridane



[SEGMENTATION OF IMAGES PAINTED ON PARAMETRIC MANIFOLDS](#) ([Abstract](#))

Alon Spira, Ron Kimmel



[BLIND SOURCE SEPARATION OF NOISY MIXTURES USING A SEMI-PARAMETRIC APPROACH WITH APPLICATION TO HEAVY-TAILED SIGNALS](#) ([Abstract](#))

Mohamed Sahmoudi, Karim Abed-Meraim, Marc Lavielle, Estelle Kuhn, Phillip Ciblat



[3D OBJECT REPRESENTATION WITH TOPO-GEOMETRIC SHAPE MODELS](#) ([Abstract](#))

Sajjad Baloch, Hamid Krim, Dmitry Zenkov, Irina Kogan

[Back](#)

[Menu](#)

[Next](#)



Papers

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

Leszek Gorecki, Marek Domanski

 [ALGORITHMS AND BASIS FUNCTIONS IN TOMOGRAPHIC RECONSTRUCTION OF IONOSPHERIC ELECTRON DENSITY](#) ([Abstract](#))

Ersin Yavuz, Feza Arıkan, Orhan Arıkan, Cemil B. Erol

 [IMAGE ANALYSIS AND SEGMENTATION OF ANATOMICAL FEATURES OF CERVIX UTERI IN COLOR SPACE](#) ([Abstract](#))

Viara Van Raad

 [COMPRESSION OF VIDEOS CAPTURED VIA BAYER PATTERNED COLOR FILTER ARRAYS](#) ([Abstract](#))

Marco Carli, Fabio Gastaldi, Alessandro Neri, Chin C. Koh, Sanjit K. Mitra

 [DATA-DEPENDENT PARTIAL UPDATE ADAPTIVE ALGORITHMS FOR LINEAR AND NONLINEAR SYSTEMS](#) ([Abstract](#))

Tyseer Aboulnasr, Qiongfeng Pan

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

Ediz Cetin, Suleyman Demirsoy, Izzet Kale, Richard Morling

 [TRACKING VARIABLE NUMBER OF TARGETS USING SEQUENTIAL MONTE METHODS](#) ([Abstract](#))

William Ng, Jack Li, Simon J. Godsill, Jaco Vermaak

 [ANALYSIS OF TIMING OFFSET ESTIMATION SCHEMES FOR UWB SIGNALS](#) ([Abstract](#))

Marina Marjanovic, José Manuel Páez Borrallo

[Back](#)

[Menu](#)

[Next](#)



Papers

 [HEAT DIFFUSION BASED DETECTION OF COLONIC POLYPS IN CT COLONOGRAPHY](#) ([Abstract](#))

Ender Konukoglu, Burak Acar, David S. Paik, Christopher F. Beaulieu, Sandy Napel

 [LOW COMPLEXITY ITERATIVE RECEIVERS FOR SPACE-TIME BLOCK CODED MC-CDMA DOWNLINK SYSTEMS](#) ([Abstract](#))

Alberto Jiménez Pacheco, Mariano García Otero

 [STRUCTURE PRESERVING REGULARIZATION OF DT-MRI VECTOR FIELDS BY NONLINEAR ANISOTROPIC DIFFUSION FILTERING](#) ([Abstract](#))

Erdem Yoruk, Burak Acar

 [PERFORMING DIMENSIONALITY REDUCTION OF NONSTATIONARY STOCHASTIC PROCESSES USING PERTURBATION ANALYSIS](#) ([Abstract](#))

Vincent Vigneron, Hichem Maaref

 [AN AUDIO WATERMARKING ALGORITHM VIA ZERO ASSIGNED FILTER BANKS](#) ([Abstract](#))

Zeynep Yücel, A. Bülent Özgüler

 [ON THE ESTIMATION OF NON-STATIONARY FUNCTIONAL SERIES TARMA MODELS](#) ([Abstract](#))

Aggelos Poulimenos, Spilios D. Fassois

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

Zehra Cataltepe, Chao Yuan, Claus Neubauer, Meltem Demirkus, Hans-Gerd Brummel

 [DONOR SELECTION FOR VOICE CONVERSION](#) ([Abstract](#))

Oytun Turk, Levent M. Arslan









[Back](#)

[Menu](#)

[Next](#)



Papers

-  [USE OF ARTIFICIAL NEURAL NETWORKS TO STUDY CELL INTERACTIONS IN THE PRESENCE OF EM RADIATION](#) ([Abstract](#))
Özdemir Göl, M. P. Pathegama
-  [OPTIMAL DESIGN OF NONCOHERENT CAYLEY UNITARY SPACE-TIME CODES](#) ([Abstract](#))
Jibing Wang, Xiaodong Wang, Mohammad Madhian
-  [NEW ORTHOGONAL BINARY USER CODES FOR MULTIUSER SPREAD SPECTRUM COMMUNICATIONS](#) ([Abstract](#))
Radha Poluri, Ali N. Akansu
-  [NONPARAMETRIC SHAPE PRIORS FOR ACTIVE CONTOUR-BASED IMAGE SEGMENTATION](#) ([Abstract](#))
Junmo Kim, Müjdat Cetin, Alan S. Willsky
-  [MULTITAPER SPECTRAL ESTIMATION: A GENERALIZED WINDOWS APPROACH](#) ([Abstract](#))
Nurgün Erdöl
-  [A NEW METHOD FOR GENERATING 3-D FACE MODELS FOR PERSONALIZED USER INTERACTION](#) ([Abstract](#))
A. Tanju Erdem
-  [VIDEO WATERMARKING FOR DIGITAL CINEMA CONTENTS](#) ([Abstract](#))
Sadi Vural, Hiromi Tomii, Hironori Yamauchi
-  [LOCAL APPEARANCE BASED FACE RECOGNITION USING DISCRETE COSINE TRANSFORM](#) ([Abstract](#))
Hazim Kemal Ekenel, Rainer Stiefelhagen



Papers



[CANE SIMULATION FOR THE BLIND](#) ([Abstract](#))

Georgios Nikolakis, Dimitrios Tzovaras, Michael G. Strintzis



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

Nicolas D'Alessandro, Raphael Sebbe, Baris Bozkurt, Thierry Dutoit



[SYPOLE: A MOBILE ASSISTANT FOR THE BLIND](#) ([Abstract](#))

Céline Thillou, Silvio Ferreira, Vincent Gaudissart, Bernard Gosselin



[OBJECT RECOGNITION FOR THE BLIND](#) ([Abstract](#))

Georgios Nikolakis, Dimitrios Tzovaras, Michael G. Strintzis



[ASSISTIVE MULTIMODAL SYSTEM BASED ON SPEECH RECOGNITION AND HEAD TRACKING](#) ([Abstract](#))

Andrey Ronzhin, Alexey Karpov



[CUED SPEECH HAND GESTURES RECOGNITION TOOL](#) ([Abstract](#))

Thomas Burger, Alice Caplier, Stéphane Mancini



[GAZE DIRECTION ESTIMATION TOOL BASED ON HEAD MOTION ANALYSIS OR IRIS POSITION ESTIMATION](#) ([Abstract](#))

Alexandre Benoit, Alice Caplier, Laurent Bonnaud



[SOFTWARE TOOLS FOR SPEECH THERAPY AND VOICE QUALITY MONITORING](#) ([Abstract](#))

Oytun Turk, Levent M. Arslan

[Back](#)

[Menu](#)

[Next](#)



Papers



[TEXT-TO-SIGN LANGUAGE SYNTHESIS TOOL](#) ([Abstract](#))

Maria Papadogiorgaki, Nikos Grammalidis, Dimitrios Tzovaras, Michael G. Strintzis



[SIGN LANGUAGE TUTORING TOOL](#) ([Abstract](#))

Oya Aran, Cem Keskin, Lale Akarun



[REAL TIME GESTURAL INTERFACE FOR GENERIC APPLICATIONS](#) ([Abstract](#))

Cem Keskin, Oya Aran, Lale Akarun



[ADVANCES IN VIDEO COMPRESSION](#) ([Abstract](#))

Jens-Rainer Ohm



[THE EUROPEAN UNION'S IST RESEARCH PROGRAMME: OVERVIEW AND SUPPORT TO SIGNAL PROCESSING R&D](#) ([Abstract](#))

Eric Badiqué



[OPTICAL INFORMATION PROCESSING: PAST, PRESENT, AND FUTURE](#) ([Abstract](#))

Haldun M. Ozaktas



[DATA COMPRESSION AND BIOINFORMATICS SEARCHING FOR STRUCTURE IN ALL KINDS OF PLACES](#) ([Abstract](#))

Khalid Sayood



[THE METHOD OF TYPES AND ITS APPLICATION TO INFORMATION HIDING](#) ([Abstract](#))

Pierre Moulin

[Back](#)

[Menu](#)