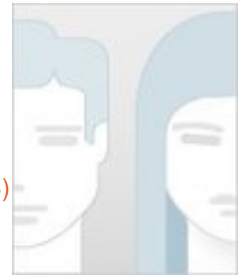


JAVIER RAMÍREZ PÉREZ DE INESTROSA



Ficha del Directorio

Grupo de Investigación: **SIGNAL PROCESSING AND BIOMEDICAL APPLICATIONS (Cod.: TIC218)**

Departamento: Universidad de Granada. Teoría de la Señal Telemática y Comunicaciones

Citas en Google Scholar: <https://scholar.google.es/citations?user=7XJ9tIUAAAAJ&hl=es>

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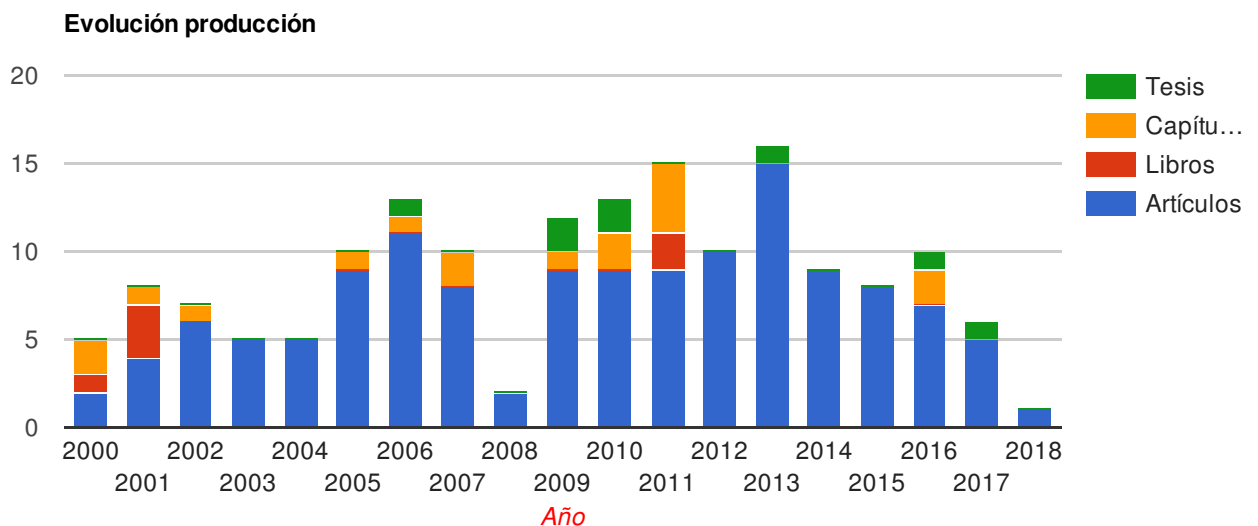
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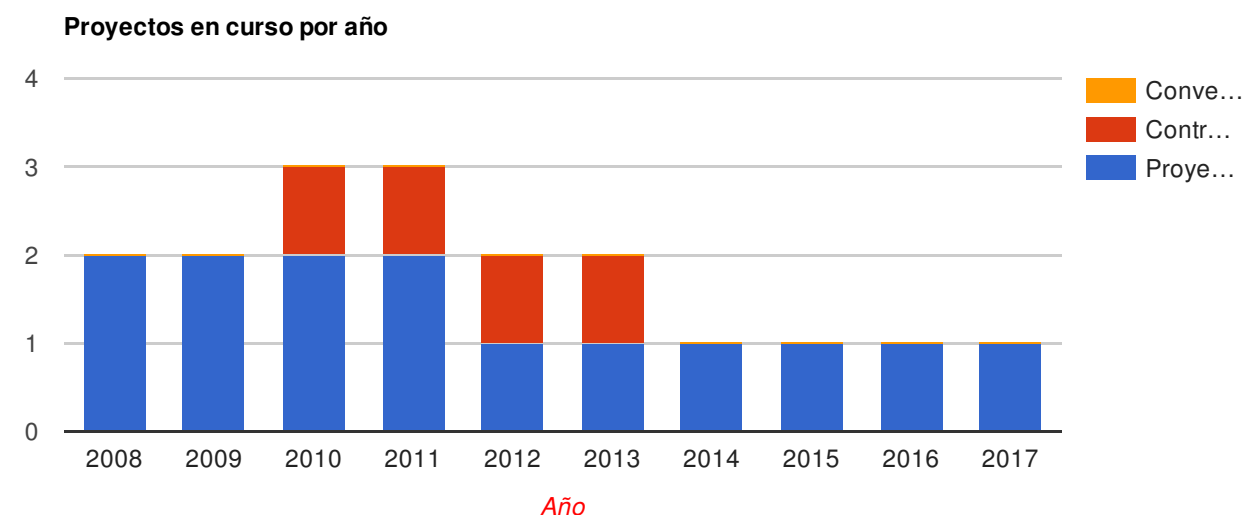
Producción 165

Artículos (134) Libros (6) Capítulos de Libros (17) Tesis dirigidas (8)



Proyectos dirigidos 5

Proyectos (4) Contratos (1) Convenios (0)



Actividades 2

Titulo publicación	Fuente	Tipo	Fecha
Discriminative sparse features for alzheimer's disease diagnosis using multimodal image data	Current alzheimer research	Articulo	2018
A semi-supervised learning approach for model selection based on class-hypothesis testing	Expert systems with applications	Articulo	2017
Construction and analysis of weighted brain networks from sice for the study of alzheimer's disease	Frontiers in neuroinformatics	Articulo	2017
Independent component analysis-support vector machine-based computer-aided diagnosis system for alzheimer's with visual support	International journal of neural systems	Articulo	2017
Multivariate analysis of 18f-dmfp pet data to assist the diagnosis of parkinsonism	Frontiers in neuroinformatics	Articulo	2017
P300 brainwave extraction from eeg signals: an unsupervised approach	Expert systems with applications	Articulo	2017
Statistical neuroimage modeling, processing and synthesis based on texture and component analysis: tackling the small sample size problem	Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación	Tesis doctoral	2017
A structural parametrization of the brain using hidden markov models-based paths in alzheimer's disease	International journal of neural systems	Articulo	2016
A spherical brain mapping of mr images for the detection of alzheimer's disease	Current alzheimer research	Articulo	2016
An optimal approach for selecting discriminant regions for the diagnosis of alzheimer's disease	Current alzheimer research	Articulo	2016
Brain imaging biomarker normalization, analysis and classification methods to characterize the progression of neurodegenerative diseases	Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación	Tesis doctoral	2016
Combining feature extraction methods to assist the diagnosis of alzheimer's disease	Current alzheimer research	Articulo	2016
Computer aided diagnosis in neuroimaging	Computer-aided technologies - applications in engineering and medicine	Capítulo de libro	2016
Computer-aided diagnosis in neuroimaging	Computer-aided technologies - applications in engineering and medicine	Capítulo de libro	2016
Ensembles of deep learning architectures for the early diagnosis of alzheimer's disease	International journal of neural systems	Articulo	2016
Ensembles of deep learning architectures for the early diagnosis of the alzheimer's disease	International journal of neural systems	Articulo	2016
On the brain structure heterogeneity of autism: parsing out acquisition site effects with significance-weighted principal component analysis	Human brain mapping	Articulo	2016
Building a fp-cit spect brain template using a posterization approach	Neuroinformatics	Articulo	2015
Comparison between different intensity normalization methods in 123i-ioflupane imaging for the automatic detection of parkinsonism	Plos one	Articulo	2015
Distinguishing parkinson's disease from atypical parkinsonian syndromes using pet data and a computer system based on support vector machines and bayesian networks	Frontiers in computational neuroscience	Articulo	2015
Early diagnosis of alzheimer's disease based on partial least squares, principal component analysis and support vector machine using segmented mri images	Neurocomputing	Articulo	2015
Exploratory graphical models of functional and structural	Frontiers in computational		

Exploratory graphical models of functional and structural connectivity pattern for alzheimer's disease diagnosis	Frontiers in computational neuroscience	Articulo	2015
Exploratory graphical models of functional and structural connectivity patterns for alzheimer's disease diagnosis	Frontiers in computational neuroscience	Articulo	2015
Intensity normalization in the analysis of functional datscan spect images: the alpha-stable distribution-based normalization method vs other approaches	Neurocomputing	Articulo	2015
Using frequency analysis to improve the precision of human body posture algorithms based on kalman filters	Computers in biology and medicine	Articulo	2015
Automatic roi selection in structural brain mri using som 3d projection	Plos one	Articulo	2014
Combining pet images and neuropsychological test data for automatic diagnosis of alzheimer's disease	Plos one	Articulo	2014
Identifying endophenotypes of autism: a multivariate approach	Frontiers in computational neuroscience	Articulo	2014
Improving mr brain image segmentation using self-organizing maps and entropy-gradient clustering	Information sciences	Articulo	2014
Parametrization of textural patterns in 123i-ioflupane imaging for the automatic detection of parkinsonism	Medical physics	Articulo	2014
Rf fingerprint measurements for the identification of devices in wireless communication networks based on feature reduction and subspace transformation	Measurement: journal of the international measurement confederation	Articulo	2014
Real time qrs detection based on m-ary likelihood ratio test on the dft coefficients	Plos one	Articulo	2014
Regions of interest computed by svm wrapped method for alzheimer's disease examination from segmented mri	Frontiers in aging neuroscience	Articulo	2014
Spatial component analysis of mri data for alzheimer's disease diagnosis: a bayesian network approach	Frontiers in computational neuroscience	Articulo	2014
Application of empirical mode decomposition (emd) on datscan spect images to explore parkinson disease	Expert systems with applications	Articulo	2013
Automatic determination of validity of input data used in ellipsoid fitting marg calibration algorithms	Sensors	Articulo	2013
Automatic detection of parkinsonism using significance measures and component analysis in datscan imaging	Neurocomputing	Articulo	2013
Computer aided diagnosis of alzheimer's type dementia combining support vector machines and discriminant set of features	Information sciences	Articulo	2013
Component-based technique for determining the effects of acupuncture for fighting migraine using spect images	Expert systems with applications	Articulo	2013
Early diagnosis of alzheimer's disease based on partial least squares and support vector machine	Expert systems with applications	Articulo	2013
Functional activity maps based on significance measures and independent component analysis	Computer methods and programs in biomedicine	Articulo	2013
Improving mri segmentation with probabilistic ghsom and multiobjective optimization	Neurocomputing	Articulo	2013
Improving the convergence rate in affine registration of pet and spect brain images using histogram equalization	Computational and mathematical methods in medicine	Articulo	2013
Integrating discretization and association rule-based classification for alzheimer's disease diagnosis		Articulo	2013
Lvq-svm based cad tool applied to structural mri for the diagnosis of the alzheimer's disease	Pattern recognition letters	Articulo	2013
Linear intensity normalization of fp-cit spect brain images using the alpha-stable distribution	Neuroimage	Articulo	2013

Parameterization of the distribution of white and grey matter in mri using the alpha-stable distribution	Computers in biology and medicine	Articulo	2013
Segmentation of brain mri using som-fcm-based method and 3d statistical descriptors	Computational and mathematical methods in medicine	Articulo	2013
Signal processing of magnetic and inertial sensor's signals applied to human body motion monitoring		Tesis doctoral	2013
Two fully-unsupervised methods for mr brain image segmentation using som-based strategies	Applied soft computing	Articulo	2013
A comparative study of feature extraction methods for the diagnosis of alzheimer's disease using the adni database	Neurocomputing	Articulo	2012
Automatic assistance to parkinson's disease diagnosis in datscan spect imaging	Medical physics	Articulo	2012
Bilateral symmetry aspects in computer-aided alzheimer's disease diagnosis by single-photon emission-computed tomography imaging	Artificial intelligence in medicine	Articulo	2012
Computer aided diagnosis tool for alzheimer's disease based on mann-whitney-wilcoxon u-test	Expert systems with applications	Articulo	2012
Detection of (in)activity periods in human body motion using inertial sensors: a comparative study	Sensors	Articulo	2012
Effective diagnosis of alzheimer's disease by means of large margin-based methodology	Bmc medical informatics and decision making	Articulo	2012
Improved parkinsonism diagnosis using a partial least squares based approach	Medical physics	Articulo	2012
Nmf-svm based cad tool applied to functional brain images for the diagnosis of alzheimer's disease	IEEE transactions on medical imaging	Articulo	2012
On the empirical mode decomposition applied to the analysis of brain spect images	Expert systems with applications	Articulo	2012
Unsupervised neural techniques applied to mr brain image segmentation	Advances in artificial neural systems	Articulo	2012
¹⁸ f-fdg pet imaging analysis for computer aided alzheimer's diagnosis	Information sciences	Articulo	2011
A comparison between univariate and multivariate supervised learning for classification of spect images	Recent advances in biomedical signal processing	Capítulo de libro	2011
Accurate human limb angle measurement: sensor fusion through kalman, least mean squares and recursive least-squares adaptive filtering	Measurement science and technology	Articulo	2011
Computer aided diagnosis of alzheimer's disease using component based svm	Applied soft computing	Articulo	2011
Efficient mining of association rules for the early diagnosis of alzheimer's disease	Physics in medicine and biology	Articulo	2011
Functional brain image preprocessing for computer aided diagnosis systems	Recent advances in biomedical signal processing	Capítulo de libro	2011
Functional image classification techniques for early alzheimer's disease detection	Recent advances in biomedical signal processing	Capítulo de libro	2011
Gmm based spect image classification for the diagnosis of alzheimer's disease	Applied soft computing	Articulo	2011
Human body position monitoring	Recent advances in biomedical signal processing	Capítulo de libro	2011
Mr brain image segmentation by hierarchical growing som and probability clustering	Electronics letters	Articulo	2011
Principal component analysis-based techniques and supervised classification schemes for the early detection of alzheimer's disease	Neurocomputing	Articulo	2011

alzheimer's disease			
Recent advances in biomedical signal processing	Bentham science publishers	Libros	2011
Recent advances in robust speech recognition technology	Bentham science publishers	Libros	2011
Two approaches for selecting set of voxels for the diagnosis of alzheimer's using brain spect images	Digital signal processing	Articulo	2011
Wagyromag: wireless sensor network for monitoring and processing human body movement in healthcare applications	Journal of systems architecture	Articulo	2011
Alzheimer's disease detection in functional images using 2d gabor wavelet analysis	Electronics letters	Articulo	2010
Analysis of spect brain images for the diagnosis of alzheimer's disease based on nmf for feature extraction	Neuroscience letters	Articulo	2010
Alzheimer's disease detection in functional images using 2d gabor wavelet analysis		Articulo	2010
Classification of functional brain images using a gmm-based multi-variate approach	Neuroscience letters	Articulo	2010
Computer aided diagnosis system for the alzheimer's disease based on partial least squares and random forest spect image classification	Neuroscience letters	Articulo	2010
Computer-aided diagnosis of alzheimer's disease using support vector machines and classification trees	Physics in medicine and biology	Articulo	2010
Classification of functional brain images using a gmm-based multi-variate approach	Neuroscience letters	Articulo	2010
Feature selection using factor analysis for alzheimer's diagnosis using f-fdg pet images	Medical physics	Articulo	2010
Improved long term voice activity detection for robust speech recognition	Recent advances in robust speech recognition technology	Capítulo de libro	2010
Nuevos modelos estadísticos para detección de patrones de hipo/perfusión-metabolismo en imágenes de tomografía funcional cerebral	Universidad de granada. teoria de la señal, telemática y comunicaciones	Tesis doctoral	2010
Nuevos paradigmas para el análisis estadístico de imágenes tomográficas cerebrales	Universidad de granada. teoria de la señal, telemática y comunicaciones	Tesis doctoral	2010
Projecting independent components of spect images for computer aided diagnosis of alzheimer's disease	Pattern recognition letters	Articulo	2010
Voice activity detection using contextual information for robust speech recognition	Recent advances in robust speech recognition technology	Capítulo de libro	2010
A novel lms algorithm applied to adaptive noise cancellation	IEEE signal processing letters	Articulo	2009
Alzheimer's diagnosis using eigenbrains and support vector machines	Electronics letters	Articulo	2009
Analysis of spect brain images for the diagnosis of alzheimer's disease using moments and support vector machines	Neuroscience letters	Articulo	2009
Análisis en componentes de imágenes funcionales para la ayuda al diagnóstico de la enfermedad de alzheimer	Universidad de granada. teoría de la señal, telemática y comunicaciones	Tesis doctoral	2009
Automatic selection of rois in functional imaging using gaussian mixture models	Neuroscience letters	Articulo	2009
Automatic tool for alzheimer's disease diagnosis using pca and bayesian classification rules	Electronics letters	Articulo	2009
Nuevos algoritmos de registro y clasificación de imágenes cerebrales para el diagnóstico del alzheimer	Universidad de cádiz. ingeniería industrial e ingeniería civil	Tesis doctoral	2009
Plan de acción tutorial de la etsiit	Tutoría y atención personal al	Capítulo	2009

Titulo de la obra	estudiante en la universidad	de libro	2009
Spect image classification using random forests	Electronics letters	Articulo	2009
Svm-based cad system for early detection of the alzheimer's disease using kernel pca and lda	Neuroscience letters	Articulo	2009
Svm-based computer-aided diagnosis of the alzheimer's disease using t-test nmse feature selection with feature correlation weighting	Neuroscience letters	Articulo	2009
Svm-based computer-aided diagnosis of the alzheimer's disease using t-test nmse feature selection with feature correlation weighting		Articulo	2009
Improved gauss-newton optimisation methods in affine registration of spect brain images	Electronics letters	Articulo	2008
Jointly gaussian pdf-based likelihood ratio test for voice activity detection	IEEE transactions on audio speech and language processing	Articulo	2008
An effective jointly pdf-based voice activity detector for real time applications	Electronics letters	Articulo	2007
An efficient vad based on a hang-over scheme and a likelihood ratio test	Lecture notes in computer science	Articulo	2007
Continuous hmm-based seismic-event classification at deception island, antarctica	IEEE transactions on geoscience and remote sensing	Articulo	2007
Effect of friction between particles in the dynamic response of model magnetic structures	Journal of colloid and interface science	Articulo	2007
Improved likelihood ratio test detector using a jointly gaussian probability distribution function	Lecture notes in computer science	Articulo	2007
Improved voice activity detection using contextual multiple hypothesis testing for robust speech recognition	IEEE transactions on speech and audio processing	Articulo	2007
Improved voice activity detection using contextual multiple hypothesis testing for robust speech recognition	IEEE transactions on audio speech and language processing	Articulo	2007
Speech recognition under noise conditions: compensation methods	Robust speech recognition and understanding	Capítulo de libro	2007
Statistical voice activity detection based on integrated bispectrum likelihood ratio tests for robust speech recognition	Acoustical society of america. journal	Articulo	2007
Voice activity detection. fundamentals and speech recognition system robustness	Robust speech recognition and understanding	Capítulo de libro	2007
An effective cluster-based model for robust speech detection and speech recognition in noisy environments	Acoustical society of america. journal	Articulo	2006
C-means clustering applied to speech discrimination	Lecture notes in computer science	Articulo	2006
Fuzzy logic speech/non-speech discrimination for noise robust speech processing	Lecture notes in computer science	Articulo	2006
Generalized lrt-based voice activity detector	IEEE signal processing letters	Articulo	2006
Hard c-means clustering for voice activity detection: nolisp 2005	Speech communication	Articulo	2006
Independent component analysis applied to voice activity detection	Lecture notes in computer science	Articulo	2006
Noise subspace fuzzy c-means clustering for robust speech recognition	Lecture notes in computer science	Articulo	2006
Nuevos avances en detección de actividad de voz mediante los y estrategias de optimización	Universidad de granada. teoría de la señal, telemática y comunicaciones	Tesis doctoral	2006
Speech event detection using support vector machines	Lecture notes in computer science	Articulo	2006
Speech recognition under noise conditions: compensation methods	Speech synthesis and recognition	Capítulo de libro	2006

Speech/non-speech discrimination based on contextual information integrated bispectrum lrt	IEEE signal processing letters	Artículo	2006
Svm-based speech endpoint detection using contextual speech features	Electronics letters	Artículo	2006
Svm-enabled voice activity detection	Lecture notes in computer science	Artículo	2006
An effective subband osf-based vad with noise reduction for robust speech recognition	IEEE transactions on speech and audio processing	Artículo	2005
Bispectra analysis-based vad for robust speech recognition	Lecture notes in computer science	Artículo	2005
Bispectrum estimators for voice activity detection and speech recognition	Lecture notes in computer science	Artículo	2005
Bispectrum-based statistical tests for vad	Lecture notes in computer science	Artículo	2005
Cost-effective hogenauer cascaded integrator comb decimator filter design for custom ics	Electronics letters	Artículo	2005
Efficient rns-based design of programmable fir filters targeting fpl technology	Journal of circuits, systems and computers	Artículo	2005
Improved mo-lrt vad based on a bispectra gaussian model	Electronics letters	Artículo	2005
Orientación y tutoría en la universidad de granada	Orientación y tutoría en la universidad de granada	Capítulo de libro	2005
Statistical voice activity detection using a multiple observation likelihood ratio test	IEEE signal processing letters	Artículo	2005
Voice activity detection using higher order statistics	Lecture notes in computer science	Artículo	2005
A new kullback-leibler vad for speech recognition in noise	IEEE signal processing letters	Artículo	2004
Area*time optimized hogenauer channlizer design using fpl devices	Lecture notes in computer science	Artículo	2004
Cepstral domain segmental nonlinear feature transformations for robust speech recognition	IEEE signal processing letters	Artículo	2004
Digital communications distributed laboratory	Iadat journal of advanced technology on education	Artículo	2004
Efficient voice activity detection algorithms using long-term speech information	Speech communication	Artículo	2004
A fast qrns-based algorithm for the dct and its field-programmable logic implementation	Journal of circuits, systems and computers	Artículo	2003
Design and implementation of high-performance rns wavelet processors using custom ic technologies	Journal of vlsi signal processing	Artículo	2003
Design and implementation of rns-based adaptive filters	Lecture notes in computer science	Artículo	2003
Implementation of rns-based distributed arithmetic discrete wavelet transform architectures using field-programmable logic	Journal of vlsi signal processing	Artículo	2003
Optimal multi-step linear feedback shift register design	Frequenz	Artículo	2003
A new methodology for efficient synchronization of rns-based systems	Lecture notes in computer science	Artículo	2002
Clock distribution in rns-based vlsi systems	World scientific and engineering society press	Capítulo de libro	2002
Control pid de altas prestaciones basado en el sistema numérico de residuos.	Mundo electrónico (barcelona)	Artículo	2002
Fast rns fpl-based communications receiver design and implementation	Lecture notes in computer science	Artículo	2002
High performance, reduced complexity, programmable rns-fpl merged fir filters	Electronics letters	Artículo	2002
Low power high speed algebraic integer frequency sampling filters using fplds	Lecture notes in computer science	Artículo	2002
Rns-enabled digital signal processor design	Electronics letters	Artículo	2002

Desarrollo de un sistema de compresión de imágenes basado en la transformada discreta coseno	Servicio de reprografía de la facultad de ciencias. universidad de granada	Libros	2001
Implementación de la transformada discreta coseno sobre dispositivos programables.	Revista española de electrónica	Articulo	2001
Instrumentos, métodos y equipos de medida	P. garcía fernández	Libros	2001
Pid control over programmable devices	Mundo electrónico (barcelona)	Articulo	2001
Procesamiento de imágenes utilizando la transformada discreta coseno.	Revista española de electrónica	Articulo	2001
Procesamiento digital de señales haciendo uso del sistema numérico de residuos	Servicio de reprografía de la facultad de ciencias. universidad de granada	Libros	2001
Procesamiento digital mediante el sistema numérico de residuos. utilización de dispositivos programables	Mundo electrónico (barcelona)	Articulo	2001
Rns implementation of two dimensional discrete cosine transform over fpl devices	Advances in systems science: measurement, circuits and control	Capítulo de libro	2001
A dct architecture based on complex residue number systems	Advances in signal processing, robotics and communications	Capítulo de libro	2000
A[r]quitecturas eficientes para el procesamiento digital de imágenes utilizando el sistema numérico de residuos	Servicio de reprografía de la facultad de ciencias. universidad de granada	Libros	2000
Fpl implementation of a simd risc rns-enabled dsp	Signal processing, communications and computer science	Capítulo de libro	2000
New issues in object interoperability	Lecture notes in computer science	Articulo	2000
Rns-fpl merged architectures for orthogonal dwt	Electronics letters	Articulo	2000

	Título proyecto	Tipo	Inicio	Fin
1	Modelos estadísticos de neurodegeneración para sistemas de ayuda al diagnóstico (stm- neurocad). aplicación al diagnóstico precoz de las enfermedades de alzheimer y parkinson	Proyecto	2/1/13	1/31/17
2	Sistemas de ayuda al diagnóstico precoz por computador de la enfermedad de alzheimer basados en tomografía de emisión de positrones y técnicas avanzadas de clasificación de señales	Contrato	11/1/10	10/30/13
3	Diagnóstico avanzado de enfermedades neurológicas mediante técnicas de reconstrucción y modelado de imágenes tomográficas cerebrales	Proyecto	2/1/08	1/31/12
4	Nuevas técnicas de reconstrucción, procesamiento, clasificación y fusión de imágenes médicas para diagnóstico precoz de la enfermedad de alzheimer	Proyecto	1/1/09	12/31/11
5	Sadien: sistemas de ayuda al diagnóstico inteligente de enfermedades neurodegenerativas	Proyecto	1/1/08	12/31/08

Actividades 2

Título actividad	Fuente	Tipo	Fecha
Participación en comité de revista: the open signal processing journal		Comités científicos de revista	Jan 1, 2004
Participación en comité de revista: paladyn. journal of behavioral robotics		Comités científicos de revista	Sep 1, 2009

Colaboradores

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- ANTONIO LLORIS RUIZ (22)
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- GONZALO OLIVARES RUIZ (7)
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- JUAN FRANCISCO HUETE GUADIX (2)
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