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Grupo de Investigación: Smart Wireless Applications and Technologies Group (Cod.: TIC244)

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

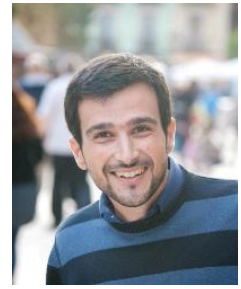
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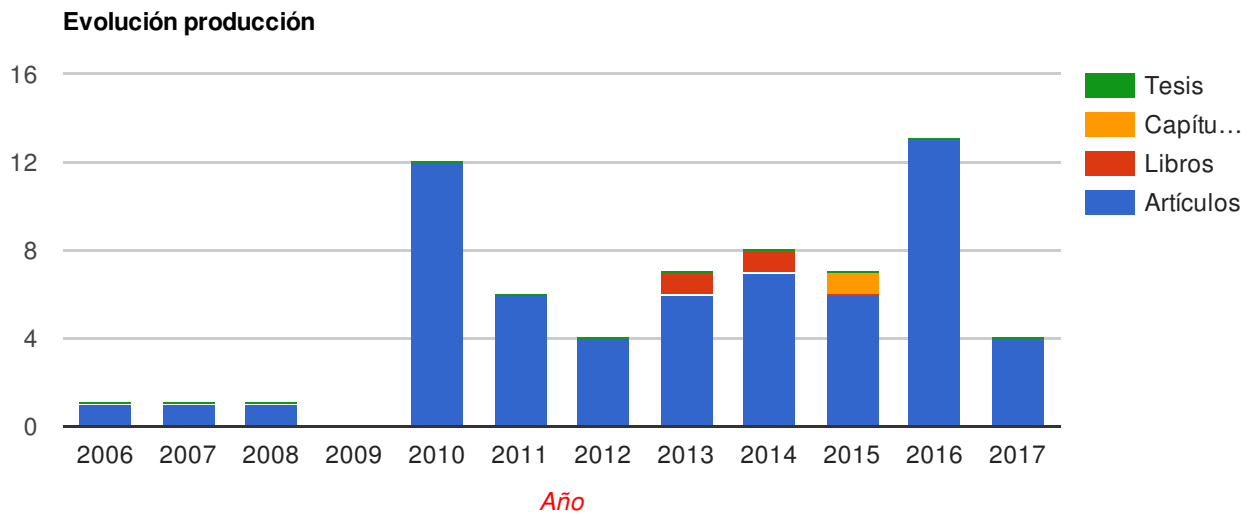
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Ficha del Directorio

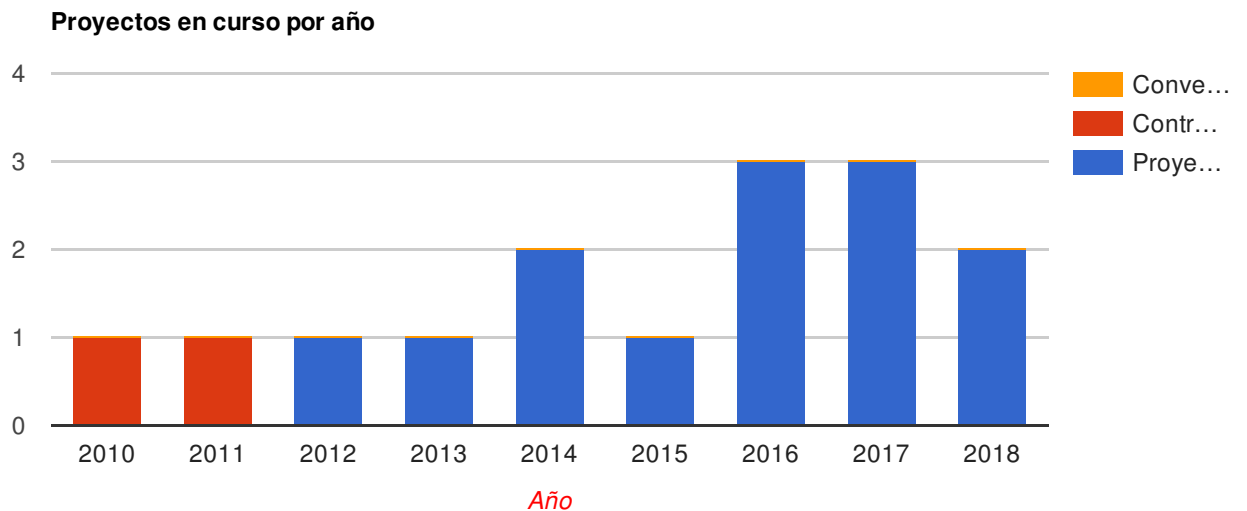
## Producción 64

Artículos (61) Libros (2) Capítulos de Libros (1) Tesis dirigidas (0)



## Proyectos dirigidos 7

Proyectos (6) Contratos (1) Convenios (0)



## Actividades 2

Titulo publicación	Fuente	Tipo	Fecha
Electromagnetic near field inhomogeneity reduction for image acquisition optimization in high resolution multi-channel magnetic resonance imaging (mri) systems	IEEE Access	Artículo	2017
Further on broadband electronically tunable reflection-based phase shifter for active-steering microwave reflectarray systems in ku-band: prototype validation	Journal of electromagnetic waves and applications	Artículo	2017
Human neuro-activity for securing body area networks: application of brain-computer interfaces to people-centric internet of things	IEEE Communications Magazine	Artículo	2017
Human neuro-activity for securing body area networks: application to people-centric, internet of things	IEEE Communications Magazine	Artículo	2017
A proposal for bio-synchronized transmission of EEG/ERP data	Eurasip Journal on Wireless Communications and Networking	Artículo	2016
A proposal for bio-synchronized transmission of EEG/ERP data	Eurasip Journal on Wireless Communications and Networking	Artículo	2016
Analysis of beamforming for improving the energy efficiency in wireless sensor networks with metaheuristics	Progress in Artificial Intelligence	Artículo	2016
Asynchronous detection of trials onset from raw EEG signals	International Journal of Neural Systems	Artículo	2016
Broadband electronically tunable reflection-based phase shifter for active-steering microwave reflectarray systems in ku-band	Journal of electromagnetic waves and applications	Artículo	2016
Broadband planar multilayered reflectarray based on circular stacked patches and reflective printed circuits for microwave communication systems	Journal of electromagnetic waves and applications	Artículo	2016
Circularly polarised broadband planar lightweight reflectarray with eligible pattern for satellite communications in ku-band	IEEE Microwave, Antennas & Propagation	Artículo	2016
Clustering and beamforming for efficient communication in wireless sensor networks	Sensors	Artículo	2016
Design rules for antenna placement on MIMO system	Journal of electromagnetic waves and applications	Artículo	2016
Electronically reconfigurable reflective phase shifter for circularly polarized reflectarray systems	IEEE Microwave and Wireless Components Letters	Artículo	2016
Embedded lightweight folded printed quadrifilar helix antenna (FPQHA) for UAV telemetry and remote control systems	IEEE Antennas and Propagation Magazine	Artículo	2016
Low cost ubiquitous context-aware wireless communications laboratory for undergraduate students	IEEE Transactions on Learning Technologies	Artículo	2016
Securing and greening wireless sensor networks with beamforming	Mobile Networks and Applications	Artículo	2016
Building a functional brain template using a posterization approach	Neuroinformatics	Artículo	2015
Capacity in Weibull fading with shadowing for MIMO distributed system	Wireless Personal Communications	Artículo	2015
Intensity normalization in the analysis of functional MRI scan images: the alpha-stable distribution-based normalization method vs other approaches	Neurocomputing	Artículo	2015
Measuring cooperative massive MIMO in reverberation chamber	Journal of electromagnetic waves and applications	Artículo	2015
PBL with m-learning	Project based learning on engineering: foundations, applications and challenges	Capítulo de libro	2015

Performance analysis of different link layer protocols in wireless sensor networks (wsn)	Wireless personal communications	Articulo	2015
Phase-shiftkeying of eeg signals: application to detect attention in multitalker scenarios	Signal processing	Articulo	2015
Electronically reconfigurable antenna terminals for energy efficient routing and propagation path optimization applied to mobile ad hoc networks (manet).	Wireless personal communications	Articulo	2014
High frequency radiating element and modified 3db/90° electronic shifting circuit with circular polarization for broadband reflectarray device cells	Electronics letters	Articulo	2014
Intellectual property course for engineering students	International journal of engineering education	Articulo	2014
On the mimo capacity for distributed system under composite rayleigh/rician fading and shadowing	International journal of antennas and propagation	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
Redes e infraestructuras de telecomunicación	Pearson	Libros	2014
Regions of interest computed by svm wrapped method for alzheimer's disease examination from segmented mri	Frontiers in aging neuroscience	Articulo	2014
A generalizable dynamic flow pairing method for traffic classification	Computer networks	Articulo	2013
Antenna measurement systems and antenna technology for next wireless generation	International journal of antennas and propagation	Articulo	2013
Comparison of different methods for the experimental antenna phase center determination using a planar acquisition system	Electromagnetic waves (cambridge, mass. online)	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
Infraestructuras y redes de comunicación	Godel	Libros	2013
On the influence of the propagation channel in the performance of energy-efficient geographic routing algorithms for wireless sensor networks (wsn)	Wireless personal communications	Articulo	2013
Radiofrequency identification of wireless devices based on rf fingerprinting	Electronics letters	Articulo	2013
Dual circular polarized steering antenna for satellite communications in x band	Progress in electromagnetic research (pier)	Articulo	2012
Ebg size reduction for low permittivity substrates	International journal of antennas and propagation	Articulo	2012
Mutual coupling reduction using ebg in steering antennas	lee antennas and wireless propagation letters	Articulo	2012
Nmf-svm based cad tool applied to functional brain images for the diagnosis of alzheimer's disease	lee transactions on medical imaging	Articulo	2012
Electromagnetic analysis of planar array structures with mpiemom method and neighbourhood mutual coupling	Microwave and optical technology letters	Articulo	2011
Experimental determination of drw antenna phase center at mm-wavelengths using a planar scanner: comparison of different methods	lee transactions on antennas and propagation	Articulo	2011
Least-squares approximation of a space distribution for a given covariance and latent sub-space	Chemometrics and intelligent laboratory systems	Articulo	2011
Lightweight portable planar slot array antenna for satellite	lee antennas and wireless	Articulo	2011

communications in x-band	propagation letters		
Multilayered patches with tunable phase response for phased arrays at microwave frequencies	Microwave and optical technology 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 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
Classification of functional brain images using a gmm-based multi-variate approach	Neuroscience letters	Articulo	2010
Electronically reconfigurable transmitarray at ku band for microwave applications	IEEE transactions on antennas and propagation	Articulo	2010
Feature selection using factor analysis for alzheimer's diagnosis using f-fdg pet images	Medical physics	Articulo	2010
Ku band transmitarray lens for microwave applications	Aeü. international journal of electronics and communications (print)	Articulo	2010
Low loss 360° ku band electronically reconfigurable phase shifter	Aeü. international journal of electronics and communications (print)	Articulo	2010
Passive planar transmit-array microstrip lens for microwave purpose	Microwave and optical technology letters	Articulo	2010
Projecting independent components of spect images for computer aided diagnosis of alzheimer's disease	Pattern recognition letters	Articulo	2010
Characterization of artificial magnetic conductor strips for parallel plate planar antennas	Microwave and optical technology letters	Articulo	2008
Design and prototype of a 12-ghz transmit-array	Microwave and optical technology letters	Articulo	2007
Artificial magnetic conductors enhancing the wave propagation in oversized parallel plate waveguides for planar antenna applications	Proceedings of the european microwave association	Articulo	2006

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Analisis multimodal y longitudinal de biomarcadores para el diagnostico y la prediccion de la enfermedad de alzheimer y de parkinson	Proyecto	1/1/16	12/31/18
2	Laboratorio de comunicaciones 5g y sus aplicaciones	Proyecto	1/1/16	12/31/18
3	Laboratorio de comunicaciones 5g y sus aplicaciones	Proyecto	1/1/16	12/29/17
4	Smartcom: smart communication systems for next generation wireless networks	Proyecto	4/4/14	3/31/15
5	Sistemas de comunicación y terminales inteligentes para redes inalámbricas de alta capacidad (intellicnet).	Proyecto	5/28/14	12/31/14
6	Cowinet: study of communication issues and limitations in wireless networks (pyr-2012)	Proyecto	9/1/12	12/31/13
7	Elaboración de un sistema de recepción de imágenes meteorológicas de la red de satélites noaa	Contrato	11/1/10	4/1/11

## Actividades 2

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Comisionado de infraestructuras y asuntos económicos del centro de investigación en tecnologías de la información y las comunicaciones de la universidad de granada		Foros y comités internacionales	Feb 1, 2013
International journal of antennas and propagation		Comités científicos de revista	Jan 1, 2013

## Colaboradores

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- [Ignacio Alvarez Illan](#) (13)
- [MIRIAM MARÍA LÓPEZ PÉREZ](#) (11)
- [ROSA MARÍA CHAVES RODRÍGUEZ](#) (8)
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- [Juan Carlos González Macias](#) (1)