

# SERGIO DAMAS ARROYO

Grupo de Investigación: **SOFT COMPUTING Y SISTEMAS DE INFORMACIÓN INTELIGENTES**  
(Cod.: TIC186)

Departamento: Universidad de Granada. Lenguajes y Sistemas Informáticos

Código ORCID: <http://orcid.org/0000-0002-8377-8349>

Correo electrónico: [sdamas@ugr.es](mailto:sdamas@ugr.es)

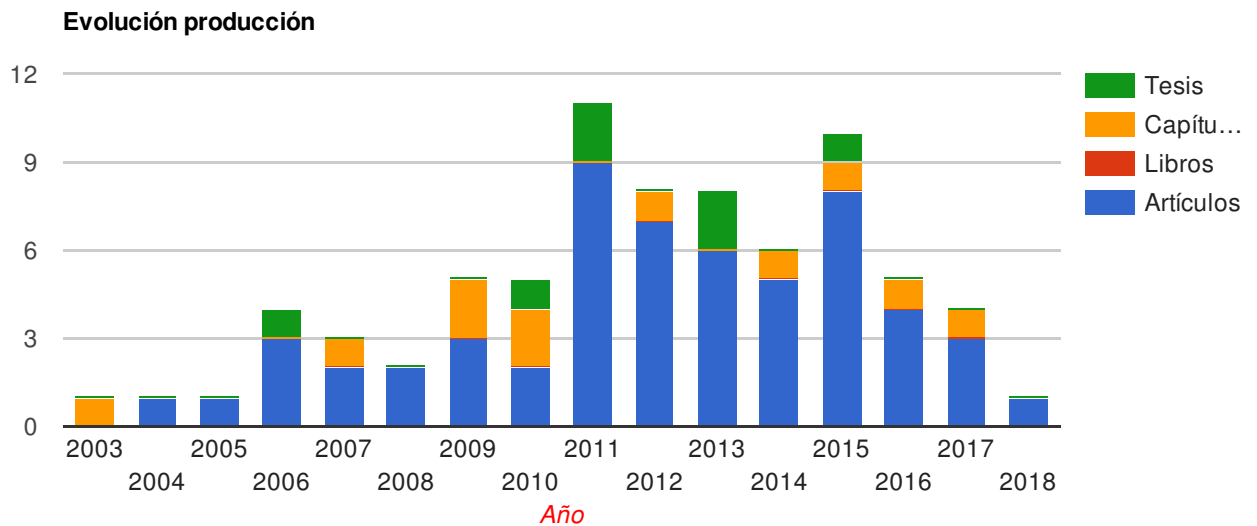
Código: 28803



Ficha del Directorio

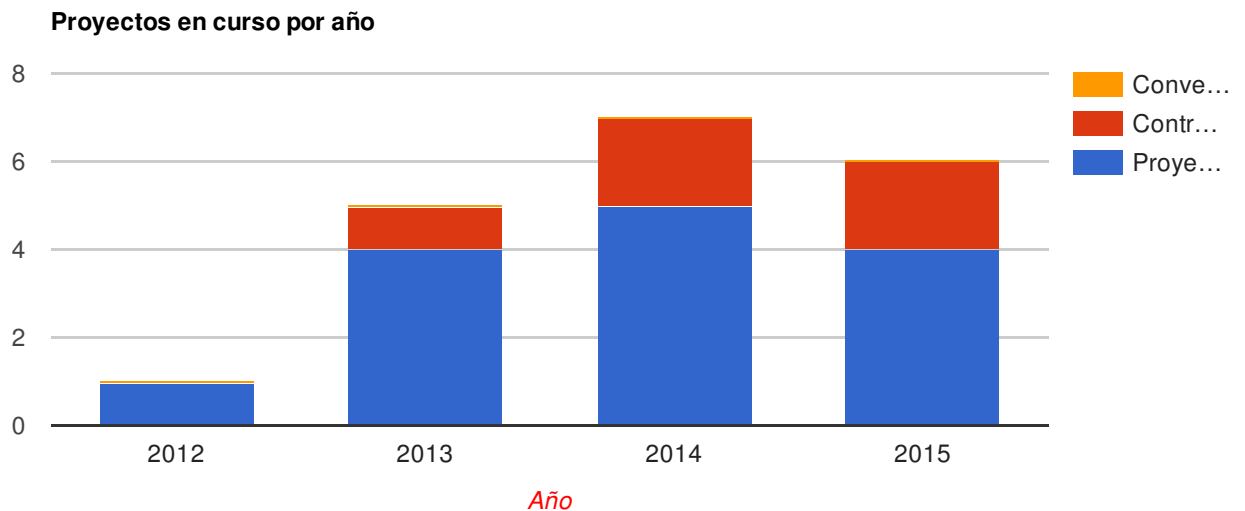
## Producción 75

Artículos (57) Libros (0) Capítulos de Libros (11) Tesis dirigidas (7)



## Proyectos dirigidos 10

Proyectos (7) Contratos (3) Convenios (0)



## Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
A robust and efficient method for skull-face overlay in computerized craniofacial superimposition	IEEE Transactions on Information Forensics and Security	Artículo	2018
Genetic algorithms for skull-face overlay including mandible articulation	Information Sciences	Artículo	2017
Multimodal optimization: an effective framework for model calibration	Information Sciences	Artículo	2017
New application of 3D VFH descriptors in archaeological categorization: a case study	International Joint Conference on Artificial Intelligence (IJCAI), 17-19 August 2017, IEEA, Spain, September 6-8, 2017, Proceedings. Advances in Intelligent Systems and Computing 649	Capítulo de libro	2017
Mograms: a network-based methodology for visualizing the set of non-dominated solutions in multiobjective optimization	IEEE Transactions on Cybernetics	Artículo	2017
A multiobjective model and evolutionary algorithms for robust time and space assembly line balancing under uncertain demand	Omega	Artículo	2016
Identimod: modeling and managing brand value using soft computing	Decision Support Systems	Artículo	2016
Meprocs framework for craniofacial superimposition: validation study	Legal Medicine	Artículo	2016
Study on the criteria for assessing skull-face correspondence in craniofacial superimposition	Legal Medicine	Artículo	2016
Un caso práctico de modelado y gestión de branding usando soft computing	Claves de marketing en el nuevo escenario de la distribución comercial	Capítulo de libro	2016
A comparative study on the application of advanced bacterial foraging models to image registration	Information Sciences	Artículo	2015
Biomedical image segmentation using geometric deformable models and metaheuristics	Computerized Medical Imaging and Graphics	Artículo	2015
Dispersion assessment in the location of facial landmarks on photographs	International Journal of Legal Medicine	Artículo	2015
Interactive preferences in multiobjective ant colony optimization for assembly line balancing	Soft Computing	Artículo	2015
Modelado y detección de variables clave en un sistema dinámico de employer branding	En la piel del cliente: escuchar, atraer, retener	Capítulo de libro	2015
Modeling facial soft tissue thickness for automatic skull-face overlay	IEEE Transactions on Information Forensics and Security	Artículo	2015
New developments in craniofacial superimposition based on soft computing and computer vision	Universidad de Oviedo, Departamento de Informática	Tesis doctoral	2015
Soft computing and computer vision in forensic identification	Mathware & Soft Computing	Artículo	2015
Study on the performance of different craniofacial superimposition approaches (i)	Forensic Science International	Artículo	2015
Study on the performance of different craniofacial superimposition approaches (ii): best practices proposal	Forensic Science International	Artículo	2015
A case study of innovative population-based			

algorithms in 3d modeling: artificial bee colony, biogeography-based optimization, harmony search	Expert systems with applications	Articulo	2014
A case study of innovative population-based algorithms in 3d modeling: artificial bee colony, biogeography-based optimization, harmony search	Expert systems with applications	Articulo	2014
Computer vision and soft computing for automatic skull-face overlay in craniofacial superimposition	Forensic science international	Articulo	2014
Computer-based craniofacial superimposition in forensic identification using soft computing	Journal of ambient intelligence and humanized computing	Articulo	2014
Intensity-based image registration using scatter search	Artificial intelligence in medicine	Articulo	2014
Ntigen: a software for generating nissan based instances for time and space assembly line balancing	Managing complexity: challenges for industrial engineering and operations management	Capítulo de libro	2014
A comparative study of multi-objective ant colony optimization algorithms for the time and space assembly line balancing problem	Applied soft computing	Articulo	2013
A robustness information and visualization model for time and space assembly line balancing under uncertain demand	International journal of production economics	Articulo	2013
Aplicación de técnicas evolutivas avanzadas al registrado de imágenes de rango	Universidad de granada	Tesis doctoral	2013
Evolutionary multi-objective optimization for mesh simplification of 3d open models	Integrated computer-aided engineering	Articulo	2013
Evolutionary intensity-based medical image registration: a review	Current medical imaging reviews	Articulo	2013
Intensity-based medical image registration using metaheuristics	Universidad de oviedo	Tesis doctoral	2013
Quality time-of-flight range imaging for feature-based registration using bacterial foraging	Applied soft computing	Articulo	2013
Self-adaptive evolution: towards new parameter free image registration methods	Ieee transactions on evolutionary computation	Articulo	2013
A cooperative coevolutionary approach dealing with the skull-face overlay uncertainty	Soft computing	Articulo	2012
A cooperative coevolutionary approach dealing with the skull-face overlay uncertainty in forensic identification by craniofacial superimposition	Soft computing	Articulo	2012
An advanced scatter search design for skull-face overlay in craniofacial superimposition	Expert systems with applications	Articulo	2012
An advanced scatter search design for skull-face overlay in craniofacial superimposition	Expert systems with applications	Articulo	2012
Craniofacial superimposition in forensic identification using genetic algorithms	Computational forensics. methods, applications and challenges in computer-assisted criminal investigations	Capítulo de libro	2012

Grasp and path reinking hybridizations for the point matching-based image registration problem	Journal of heuristics	Articulo	2012
Multiobjective memetic algorithms for time and space assembly line balancing	Engineering applications of artificial intelligence	Articulo	2012
Self-adaptive evolutionary image registration using differential evolution and artificial immune systems	Pattern recognition letters	Articulo	2012
A comparative study of state-of-the-art evolutionary image registration methods for 3d modeling	Computer vision and image understanding	Articulo	2011
A new diversity induction mechanism for a multi-objective ant colony algorithm to solve a real-world time and space assembly line balancing problem	Memetic computing	Articulo	2011
An advanced multi-objective genetic algorithm design for the time and space assembly line balancing problem	Computers & industrial engineering	Articulo	2011
An advanced multiobjective genetic algorithm design for the time and space assembly line balancing problem	Computers & industrial engineering	Articulo	2011
Forensic identification by computer-aided craniofacial superimposition: a survey	Acm computing surveys	Articulo	2011
Including different kinds of preferences in a multi-objective ant algorithm for time and space assembly line balancing on different nissan scenarios	Expert systems with applications	Articulo	2011
Modeling the skull-face overlay uncertainty using fuzzy sets	Ieee transactions on fuzzy systems	Articulo	2011
Medical image registration using evolutionary computation: a survey	Ieee computational intelligence magazine	Articulo	2011
Medical image registration using evolutionary computation: an experimental survey	Ieee computational intelligence magazine	Articulo	2011
Metaheurísticas multi-objetivo para equilibrado de líneas de montaje en automoción: optimización conjunta de tiempo y espacio		Tesis doctoral	2011
Superposición craneofacial para identificación humana. un estudio en población mediterránea.	Universidad de granada, granada, españa	Tesis doctoral	2011
A survey on the research lines of the applications of fuzzy logic and evolutionary algorithms research unit at the european center for soft computing	Mathware & soft computing	Articulo	2010
Adding diversity to two multiobjective constructive metaheuristics for time and space assembly line balancing	Frontiers of assembly and manufacturing	Capítulo de libro	2010
Forensic identification by craniofacial superimposition using soft computing	Universidad de santiago de compostela. electrónica y computación	Tesis doctoral	2010
Identificación por superposición fotográfica	Diversidad humana y antropología aplicada	Capítulo de libro	2010
Multiobjective constructive heuristics for the 1/3 variant of the time and space assembly line balancing problem: aco and random	Information sciences	Articulo	2010

greedy search			
An experimental study on the applicability of evolutionary algorithms to craniofacial superimposition in forensic identification	Information sciences	Articulo	2009
Automatic 3d modeling of skulls by scatter search and heuristic features.	Applications of soft computing. updating the state of the art	Capítulo de libro	2009
Multimodal genetic algorithms for craniofacial superimposition	Nature-inspired informatics for intelligent applications and knowledge discovery: implications in business, science and engineering	Capítulo de libro	2009
Performance evaluation of memetic approaches in 3d reconstruction of forensic objects	Soft computing	Articulo	2009
Soft computing developments of the applications of fuzzy logic and evolutionary algorithms	Enewsletter: systems, man and cybernetics society	Articulo	2009
Identificación humana mediante superposición de imágenes. una propuesta metodológica	Cuadernos de medicina forense	Articulo	2008
Scatter search for the point-matching problem in 3d image registration	Inform journal on computing	Articulo	2008
A practical review on the applicability of different evolutionary algorithms to 3d feature-based image registration	Genetic and evolutionary computation for image processing and analysis	Capítulo de libro	2007
A scatter search-based technique for pair-wise 3d range image registration in forensic anthropology	Soft computing	Articulo	2007
A scatter search-based technique for pair-wise 3d image registration in forensic anthropology	Soft computing	Articulo	2007
A fast and accurate approach for 3d image registration using the scatter search evolutionary algorithm	Pattern recognition letters	Articulo	2006
Feature-based image registration by means of the chc evolutionary algorithm	Image and vision computing	Articulo	2006
Image registration with iterated local search	Journal of heuristics	Articulo	2006
Scatter search para el registrado de imágenes 3d: aplicación en antropología forense	Universidad de granada. lenguajes y sistemas informáticos	Tesis doctoral	2006
3d inter-subject medical image registration by scatter search	Lecture notes in computer science	Articulo	2005
A scatter search algorithm for the 3d image registration problem	Lecture notes in computer science	Articulo	2004
2d image registration with iterated local search	Advances in soft computing	Capítulo de libro	2003

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Soft computing, modelado basado en agentes y sistemas dinámicos para gestión de imagen de marca y marketing	Proyecto	1/1/14	12/31/15
2	Análisis de imágenes mediante el uso de soft computing	Proyecto	1/1/14	12/31/15
3	Toxdtect: embalaje innovador para la detección de la calidad de la carne fresca y la predicción de la vida útil	Contrato	1/1/15	12/31/15
4	Socovifi2: nuevos desarrollos sobre soft computing y visión por ordenador en identificación forense	Proyecto	1/1/13	12/1/15
5	Zio-abm: simulación social para estrategias de marketing. aplicación al sector seguros y gran consumo	Contrato	3/1/14	9/1/15
6	Identificación forense basada en superposición craneofacial	Proyecto	8/1/14	8/31/15
7	New methodologies and protocols of forensic identification by craneofacial superimposition	Proyecto	2/1/12	7/31/14
8	Identimod-zio-sd: herramienta de apoyo a la toma de decisiones estratégicas en sistemas de imagen corporativa v1.0	Contrato	2/15/13	5/14/14
9	Herramienta de apoyo a la toma de decisiones estratégicas en imagen corporativa	Proyecto	1/1/13	12/31/13
10	Aplicación de metaheurísticas para la optimización de la imagen corporativa (prueba de concepto)	Proyecto	1/1/13	12/31/13

## Actividades 0

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
-------------------------	---------------	-------------	--------------

## Colaboradores

- OSCAR CORDÓN GARCÍA (68)
- ÓSCAR IBÁÑEZ PANIZO (20)
- INMACULADA ALEMÁN AGUILERA (9)
- MANUEL CHICA SERRANO (9)
- FERNANDO NAVARRO MERINO (8)
- MIGUEL CECILIO BOTELLA LÓPEZ (7)
- Andrea Valsecchi (5)
- Enrique Bermejo Nievas (5)
- JOSÉ MARÍA GARCÍA TORRES (3)