

## Ficha de investigador

# David Alejandro Pelta Mochcovsky

Grupo de Investigación: **MODELOS DE DECISIÓN Y OPTIMIZACIÓN (Cod.: TIC169)**

Departamento: Universidad de Granada. Ciencias de la Computación e Inteligencia Artificial

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

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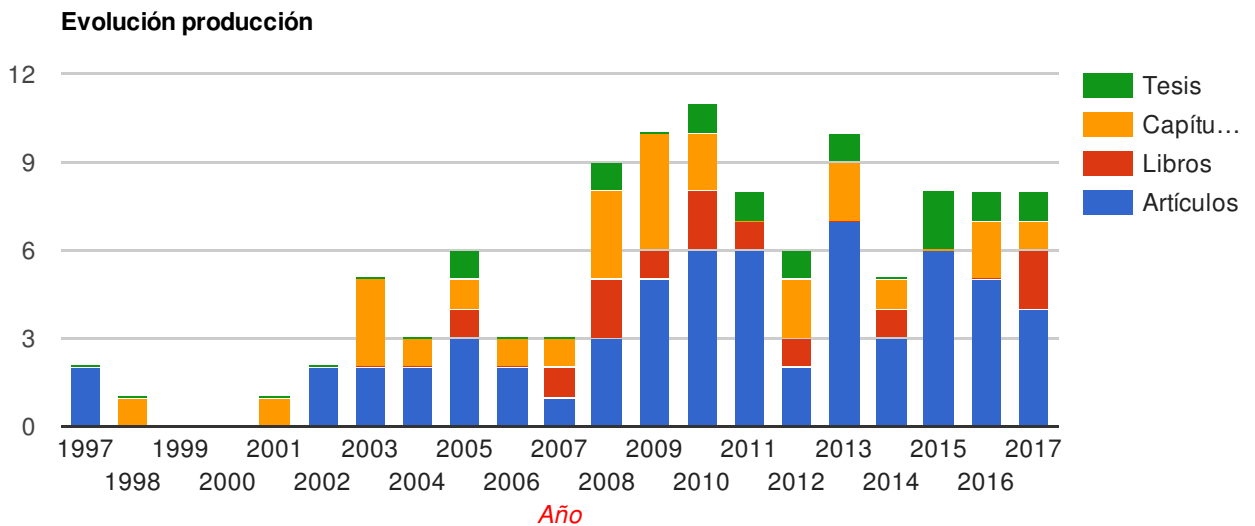
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Ficha del Directorio

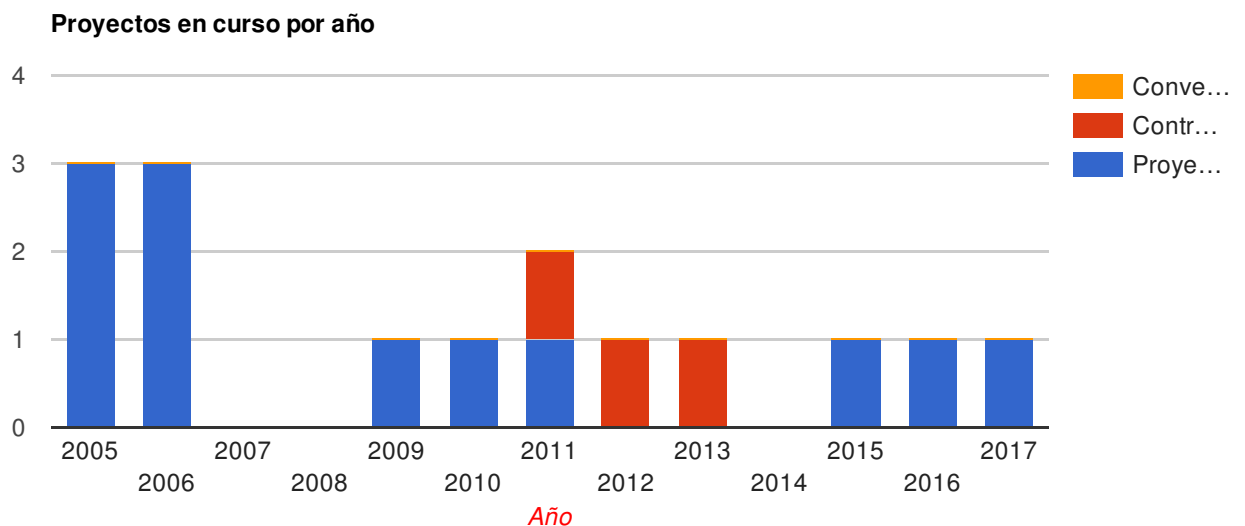
## Producción 109

Artículos (61) Libros (12) Capítulos de Libros (26) Tesis dirigidas (10)



## Proyectos dirigidos 6

Proyectos (5) Contratos (1) Convenios (0)



## Actividades 6

Titulo publicación	Fuente	Tipo	Fecha
An algorithm portfolio for the dynamic maximal covering location problem	Memetic computing	Articulo	2017
Fuzzy multicriteria decision-making methods: a comparative analysis	International journal of intelligent systems	Articulo	2017
Fuzzycovering: a spatial decision support system for solving fuzzy covering location problems	Soft computing for sustainability science; (carlos cruz corona, ed.). studies in fuzziness and soft computing 358	Capítulo de libro	2017
Making decisions in the presence of adversaries: models and results	Lambert academic publishing	Libros	2017
Modelos de decisión multi-criterio en entornos con incertidumbre: estudio comparativo y aplicación		Tesis doctoral	2017
Proa: an intelligent multi-criteria personalized route assistant (en revisión)	Engineering applications of artificial intelligence	Articulo	2017
Problemas de optimización dinámicos: enfoques y perspectivas	Revista de investigación operacional	Articulo	2017
Soft computing based optimization and decision models	Springer international publishing	Libros	2017
A comparative analysis of multi-criteria decision-making methods	Progress in artificial intelligence	Articulo	2016
An approach for solving maximal covering location problems with fuzzy constraints	International journal of computational intelligence systems	Articulo	2016
Coverage path planning with unmanned aerial vehicles for 3d terrain reconstruction	Expert systems with applications	Articulo	2016
Fuzzy models and resolution methods for covering location problems: an annotated bibliography	International journal of uncertainty, fuzziness and knowledge-based systems	Articulo	2016
Fuzzylp: an r package for solving fuzzy linear programming problems	Granular, soft and fuzzy approaches for intelligent systems (j. kacprzyk, d. filev and g. beliakov, eds.). studies in fuzziness and soft computing	Capítulo de libro	2016
Gene prioritization for tumor classification using an embedded method	Computational intelligence	Capítulo de libro	2016
Modelos basados en soft computing para el manejo de la incertidumbre en problemas de localización con cobertura		Tesis doctoral	2016
Prediction of 3d nuclear reactor's operational parameters from 2d fuel lattice design information: a data mining approach	Progress in nuclear energy	Articulo	2016
A software tool for assisting experimentation in dynamic environments	Applied computational intelligence and soft computing	Articulo	2015
A repeated imitation model with dependence between stages: decision strategies and rewards	International journal of applied mathematics and computer science	Articulo	2015
Adversarial decision and optimization-based models		Tesis doctoral	2015
Algorithm portfolio based scheme for dynamic optimization problems	International journal of computational intelligence systems	Articulo	2015
Cluster-based comparison of the peptide mass fingerprint obtained by maldi-tof mass spectrometry. a case study: long-term stability of rituximab	The analyst	Articulo	2015
Nuclear fuel lattice performance analysis by			

nuclear fuel lattice performance analysis by data mining techniques	Annals of nuclear energy	Artículo	2015
Self-adaptation in dynamic environments - a survey and open issues	International journal of bio-inspired computation	Artículo	2015
Soft computing en problemas de optimización dinámicos	Universidad de granada	Tesis doctoral	2015
A neural network to predict reactor core behaviors	Nuclear science and techniques	Artículo	2014
Analyzing the robustness of decision strategies in multiagent decision making	Group decision and negotiation	Artículo	2014
Application of data mining methods for classification and prediction of olive oil blends with other vegetable oils	Analytical and bioanalytical chemistry	Artículo	2014
Contribuciones en soft computing	Universidad de granada	Libros	2014
Prologo a contribuciones en soft computing	Contribuciones en soft computing	Capítulo de libro	2014
A centralised cooperative strategy for continuous optimization: the influence of cooperation in performance and behaviour	Information sciences	Artículo	2013
Adaptation schemes and dynamic optimization problems: a basic study on the adaptive hill climbing memetic algorithm	Nature inspired cooperative strategies for optimization (nicso 2013)	Capítulo de libro	2013
Attractor metabolic networks	Plos one	Artículo	2013
El método topsis relativo vs. absoluto	Rect@. revista electrónica de comunicaciones y trabajos de asepuma	Artículo	2013
Forgetting as a way to avoid deception in a repeated imitation game	Autonomous agents and multi-agent systems	Artículo	2013
Srca: a technique for comparing multiple algorithms under several factors in dynamic optimization problems	Metaheuristics for dynamic optimization. sci, 433	Capítulo de libro	2013
Self-adaptive, multipopulation differential evolution in dynamic environments	Soft computing	Artículo	2013
The role of cardinality and neighborhood sampling strategy in agent-based cooperative strategies for dynamic optimization problems	Applied soft computing	Artículo	2013
Técnicas avanzadas de optimización en ambientes dinámicos	Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación	Tesis doctoral	2013
Uso eficiente de combustible nuclear en reactores de agua en ebullición	Dyna: energía y sostenibilidad	Artículo	2013
An algorithm comparison for dynamic optimization problems	Applied soft computing	Artículo	2012
An evolutionary tuned driving system for virtual car racing games: the autopia driver	International journal of intelligent systems	Artículo	2012
An adaptive multiagent strategy for solving combinatorial dynamic optimization problems	Studies in computational intelligence	Capítulo de libro	2012
Ant colony optimization for automatic design of strategies in an adversarial model	Nature inspired cooperative strategies for optimization	Capítulo de libro	2012
Nature inspired cooperative strategies for optimization (nicso 2011)		Libros	2012
Uncertain and dynamic optimization problems: solving strategies and applications	Universidad de granada. escuela técnica superior de ingenierías informática y de telecomunicación	Tesis doctoral	2012
A fuzzy based driving architecture for non-player			

A fuzzy based driving architecture for non-player characters in a car racing game	Soft computing	Articulo	2011
Bwr fuel cycle optimization using neural networks	Nuclear engineering and design	Articulo	2011
Cooperative methods in optimisation.analysis and results	Lambert academic publishing	Libros	2011
Efficient multi-swarm pso algorithms for dynamic environments	Memetic computing	Articulo	2011
Optimization in dynamic environments: a survey on problems, methods and measures	Soft computing	Articulo	2011
Solving multiple instances at once: the role of search and adaptation	Soft computing	Articulo	2011
Tecnicas difusas y evolutivas para el control de vehiculos en entornos reales y virtuales		Tesis doctoral	2011
Theoretical analysis of expected payoff in an adversarial domain	Information sciences	Articulo	2011
A hybrid method for the coupled optimization of the axial and radial design of bwr fuel assemblies progress in nuclear energy	Progress in nuclear energy	Articulo	2010
A software modeling approach for the design and analysis of cooperative optimization systems	Software: practice and experience	Articulo	2010
An analysis of particle properties on a multi-swarm pso for dynamic optimization problems	Lecture notes in computer science	Articulo	2010
Cooperative methods in optimisation: analysis and results	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2010
Cooperative methods in optimisation: analysis and results. phd dissertation	Editorial de la universidad de granada	Libros	2010
Decision strategies in mediated multi-agents negotiations: an optimization approach	IEEE transactions on systems, man, and cybernetics. part a: systems and humans	Articulo	2010
Editorial: special issue on nature inspired cooperative strategies for optimization	Natural computing	Articulo	2010
Improvement strategies for multi-swarm pso in dynamic environments	Nature inspired cooperative strategies for optimisation (nicso2010)	Capítulo de libro	2010
Nature inspired cooperative strategies for optimization (nicso 2010)	Springer berlin	Libros	2010
The 2009 simulated car racing championship	IEEE transactions on computational intelligence and ai in games	Articulo	2010
Using knowledge discovery in cooperative strategies: two case studies	Nature inspired cooperative strategies for optimisation (nicso2010)	Capítulo de libro	2010
A study on diversity and cooperation in a multiagent strategy for dynamic optimization problems	International journal of intelligent systems	Articulo	2009
Controlling particle trajectories in a multi-swarm approach for dynamic optimization problems	Lecture notes in computer science	Articulo	2009
Cooperative strategies and reactive search: a hybrid model proposal	Lecture notes in computer science	Capítulo de libro	2009
Different approaches for cooperation with metaheuristics	Encyclopedia of artificial intelligence	Capítulo de libro	2009
Fuzzy contact maps overlap for protein comparison: the roles of fitness and normalization and the relation with crisp contact maps	Mathware & soft computing	Articulo	2009
Nature inspired cooperative strategies for			

Nature inspired cooperative strategies for optimisation (nicso 2008)	Springer berlin	Libros	2009
On the performance of homogeneous and heterogeneous cooperative search strategies	Nature inspired cooperative strategies for optimisation (nicso 2008)	Capítulo de libro	2009
Simple control rules in a cooperative system for dynamic optimization problems	International journal of general systems	Articulo	2009
Soft computing and cooperative strategies for optimization	Applied soft computing	Articulo	2009
Solving bioinformatics problems by soft computing techniques: protein structure comparison as example	Intelligent systems and technologies	Capítulo de libro	2009
A fuzzy multi-agent system for combinatorial optimization	Encyclopedia of networked and virtual organizations	Capítulo de libro	2008
A simple and fast heuristic for protein structure comparison	Bmc bioinformatics	Articulo	2008
An adaptive metaheuristic for the simultaneous resolution of a set of instances	Nature inspired cooperative strategies for optimization (nicso 2007)	Capítulo de libro	2008
Herramientas de soft computing para la comparación de estructuras de proteínas	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2008
Nature inspired cooperative strategies for optimization	Encyclopedia of networked and virtual organizations	Capítulo de libro	2008
Nature inspired cooperative strategies for optimization (nicso 2007)	Springer	Libros	2008
On the conflict between inducing confusion and attaining payoff in adversarial decision making	Information sciences	Articulo	2008
Search spaces representation in optimization problems	Expert systems with applications	Articulo	2008
Systems self-assembly: multidisciplinary snapshots. studies in multidisciplinary, vol. 5.	Elsevier	Libros	2008
Inverse protein folding over off-lattice model: initial results and perspectives	Lecture notes in computer science	Articulo	2007
Preface to systems self-assembly: multidisciplinary snapshots	Systems self-assembly, multidisciplinary snapshots	Capítulo de libro	2007
Systems self-assembly, multidisciplinary snapshots	Elsevier	Libros	2007
Fuzzy sets based cooperative heuristics for solving optimization problems	Fuzzy applications in industrial engineering	Capítulo de libro	2006
Obtaining biclusters in microarrays with population-based heuristics	Lecture notes in computer science	Articulo	2006
Using memory and fuzzy rules in a co-operative multi-thread strategy for optimization	Information sciences	Articulo	2006
A cooperative multi thread strategy based on fuzzy sets and systems ideas	Issues in soft computing: decisions and operations	Capítulo de libro	2005
A critical view of evolutionary design of self-assembling systems	Lecture notes in computer science	Articulo	2005
A fuzzy sets based generalization of contact maps for the overlap of protein structures	Fuzzy sets and systems	Articulo	2005
Editorial	Fuzzy sets and systems	Articulo	2005
Estrategias coordinadas paralelas basadas en soft computing para la solución de problemas de optimización	Universidad de granada. ciencias de la computación e inteligencia artificial	Tesis doctoral	2005
Estrategias coordinadas paralelas en soft computing para la solución de problemas de optimización	Editorial universidad de granada	Libros	2005

## optimizacion

Application of fuzzy optimization to diet problems in argentinean farms	European journal of operational research	Articulo	2004
Measuring the similarity of protein structures by means of the universal similarity metric	Bioinformatics (oxford. print)	Articulo	2004
Multimeme algorithms using fuzzy logic based memes	Recent advances in memetic algorithms and related search technologies	Capítulo de libro	2004
Fans: una heurística basada en conjuntos difusos para problemas de optimización.	Inteligencia artificial	Articulo	2003
Fuzzy adaptive neighborhood search: examples of application	Fuzzy sets based heuristics for optimization	Capítulo de libro	2003
Fuzzy memes in multimeme algorithms: a fuzzy-evolutionary hybrid	Fuzzy sets based heuristics for optimization	Capítulo de libro	2003
Pattern search in molecules with fans: preliminary results	Lecture notes in computer science	Articulo	2003
Solving knapsack problems using a fuzzy sets-based heuristic	Nato advanced research workshop: systematic organization of information in fuzzy systems	Capítulo de libro	2003
A fuzzy valuation-based local search framework for combinatorial problems	Fuzzy optimization and decision making (dordrecht. online)	Articulo	2002
Applying a fuzzy sets-based heuristic to the protein structure prediction problem	International journal of intelligent systems	Articulo	2002
Sacra: a smart decision support system for diet problems in argentinean cattle	Adaptive systems and hybrid computational intelligence in medecine	Capítulo de libro	2001
Genetic algorithms for the protein folding problem: a critical view	Engineering of intelligent systems	Capítulo de libro	1998
Modelling string folding with g2l grammars	Sigplan notices	Articulo	1997
Protein folding meets functional programming	Sigplan notices	Articulo	1997

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Modelos de optimización y decisión: aplicaciones y soluciones con técnicas de soft computing en 3 distintos escenarios (modas-3de).	Proyecto	1/1/15	12/31/17
2	Contrato de investigación con la empresa granatel	Contrato	7/1/11	12/31/13
3	Estrategias de optimización en sistemas inteligentes: aplicaciones en escenarios dinámicos	Proyecto	1/1/09	12/31/11
4	Nature inspired smart information systems - nisis	Proyecto	10/1/05	9/30/06
5	Task force on nature-inspired combinatorial machine learning	Proyecto	10/1/05	9/30/06
6	Automated grid-aware, three-tier, protocol for protein structure comparison	Proyecto	2/1/05	8/1/06

## Actividades 6

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Evaluador de proyectos de investigación de la unión europea, 7 programa marco, fet proactive initiative: fundamentals of collective adaptive systems (focas)		Experiencia en evaluación	May 14, 2012
Vice-chair task force on evolutionary computation in dynamic and uncertain environments (ecidue)	IEEE Computational Intelligence Society - evol. computation technical committee	Comité científico en sociedad ci	Mar 5, 2012
Evaluación de solicitudes de proyectos a petición de la agencia nacional de evaluación y prospectiva (anep)		Experiencia en evaluación	Mar 2, 2009
Participación en: sociedad argentina de investigación operativa ()		Comité científico en sociedad ci	Jan 10, 2004
Participación en comité de revista: memetic computing		Comités científicos de revista	Jan 1, 2008
Participación en comité de revista: fuzzy sets and systems		Comités científicos de revista	Mar 1, 2007

## Colaboradores

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- ARMANDO BLANCO MORON (7)
- PABLO VILLACORTA IGLESIAS (6)
- MARIA TERESA LAMATA JIMENEZ (5)
- PAVEL NOVOA HERNÁNDEZ (5)
- ENRIQUE ONIEVA CARACUEL (3)
- VIRGILIO CRUZ GUZMÁN (3)
- FRANCISCO GABRIEL RAUL PEREZ RODRIGUEZ (2)
- FRANCISCO HERRERA TRIGUERO (2)
- JUAN JULIÁN MERELO GUERVÓS (2)
- Marina Torres Anaya (2)
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- ENRIC TRILLAS RUIZ (1)

- ENRIQUE HERRERA VIEDMA (1)
- JUAN CARLOS TORRES CANTERO (1)
- LUIS CUADROS RODRÍGUEZ (1)
- NATALIA NAVAS IGLESIAS (1)
- Pavel Novoa Hernández (1)