

17.1 PRODUCTIVIDAD 2006-2010 SEGÚN LA ORIENTACIÓN DEL PROGRAMA

PRODUCTIVIDAD 2006-2010 DESTACANDO PARTICIPACIÓN DE ESTUDIANTES

Listado de la producción con participación de estudiantes.

Departamento de Computación

LGAC	A	B	C	D	E	F	G	H	I	Total
LGAC 1										
Carlos A. Coello Coello	36	27	4			9	64	2	3	145
Guillermo Benito Morales Luna	5	3				6	17	5	9	45
José Matías Alvarado Mentado	3						2	1		6
Oliver Steffen Schütze	9	1					16			26
TOTAL	53	31	4			15	99	8	12	222
LGAC 2										
Xiaou Li	11	6				2	34			53
Sergio V. Chapa Vergara	3				1	3	4	1		12
Pedro Mejía Álvarez						1	4			5
Sonia G. Mendoza Chapa	1	1				6	3			11
TOTAL	15	7			1	12	45	1		81
LGAC 3										
Ana María A. Martínez Enríquez	1					3	14			18
Jorge Buenabad Chávez	2	1					3			6
José Guadalupe Rodríguez García		1					7	2		10
TOTAL	3	2				3	24	2		34
LGAC 4										
Francisco Rodríguez Henríquez	9	4	1			3	18	6	1	42
Debrup Chakraborty	4	3				3	7	1		18
TOTAL	13	7	1			6	25	7	1	60
LGAC 5										
Adriano de Luca Pennacchia	2	2	1		1	2	2	1		11
Luis Gerardo de la Fraga	2	4				1	20	4		31
TOTAL	4	6	1		1	3	22	5		42
SUMA TOTAL	88	53	6		2	39	215	23	13	439

- A. Revistas Indizadas
- B. Capítulos de Libro
- C. Libros
- D. Patentes
- E. Reportes de Proyectos de Desarrollo Tecnológico

- F. Revistas Especializadas
- G. Congresos Internacionales
- H. Congresos Nacionales
- I. Revistas de Divulgación Científica y/o Tecnológica

Laboratorio de Tecnologías de Información

LGAC 6	A	B	C	D	E	F	G	H	I	Total
Dr. Claudio Castellanos Sánchez	-	1	1	-	-	-	8	-	1	11
Dr. Iván López Arévalo	11	2	-	-	1	1	13	-	-	28
Dr. Víctor Jesús Sosa Sosa	-	-	-	-	1	2	22	-	-	25
Dr. José Torres Jiménez	2	1	1	-	-	-	16	1	-	21
Dr. Gregorio Toscano Pulido	1	-	-	-	-	-	8	-	-	9
Dr. Eduardo Arturo Rodríguez Tello	3	-	-	-	-	-	1	-	1	5
Dr. Ricardo Landa Becerra	1	-	-	-	-	-	-	-	-	1
TOTAL	18	4	2	-	2	3	68	1	2	100

LGAC 7	A	B	C	D	E	F	G	H	I	Total
Dr. Arturo Díaz Pérez	-	-	1	-	-	-	9	-	2	12
Dr. José Gabriel Ramírez Torres	1	1	-	-	-	-	16	3	-	21
Dr. César Torres Huitzil	-	-	-	-	-	3	5	1	-	9
Dr. Javier Rubio Loyola	2	2	-	-	-	-	5	-	-	9
Dr. José Juan García Hernández	2	-	-	2	-	-	1	-	-	5
TOTAL	5	3	1	2	-	3	36	4	2	56

SUMA TOTAL	23	7	3	2	2	6	104	5	4	156
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- H. Congresos Nacionales
- I. Revistas de Divulgación Científica y/o Tecnológica

Publicaciones de los Investigadores del Departamento de Computación

2006

ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS DE PRESTIGIO INTERNACIONAL, CON ARBITRAJE ESTRICTO

1. Jorge Buenabad-Chávez, Miguel Angel Castro-García^D and Gabriela Roman-Alonso. “Simple, List-based Parallel Programming with Transparent Load Balancing”. *PPAM 2005 (Sixth International Conference on Parallel Processing and Applied Mathematics)*, September 11-14, 2005, Poznan, Poland. *Lecture Notes in Computer Science* 3911 (2006) 920-927.
2. Ricardo Landa Becerra^D and Carlos Artemio Coello Coello. “Cultured differential evolution for constrained optimization”, *Computer Methods in Applied Mechanics and Engineering*, Vol. 195, Nos. 33--36, pp. 4303--4322, July 1, 2006.
3. Mario Villalobos-Arias^D, Carlos Artemio Coello Coello and Onésimo Hernández-Lerma. “Asymptotic Convergence of Metaheuristics for Multiobjective Optimization Problems”, *Soft Computing*, Vol. 10, No. 11, pp. 1001-1005, September 2006.
4. Mario Villalobos-Arias^D, Carlos Artemio Coello Coello, Onésimo Hernández-Lerma. “Asymptotic Convergence of a Simulated Annealing Algorithm for Multiobjective Optimization Problems”, *Mathematical Methods of Operations Research*, Vol. 64, No. 2, pp. 353--362, October 2006.
5. Susana C. Esquivel and Carlos Artemio Coello Coello. “Hybrid Particle Swarm Optimizer for a Class of Dynamic Fitness Landscape”, *Engineering Optimization*, Vol. 38, No. 8, pp. 873--888, December 2006.
6. Leticia C. Cagnina, Susana C. Esquivel and Carlos Artemio Coello Coello. “A Particle Swarm Optimizer for Constrained Numerical Optimization, in Thomas Philip Runarsson”, Hans-Georg Beyer, Edmund Burke, Juan J. Merelo-Guervós, L. Darrell Whitley and Xin Yao (editors), *Parallel Problem Solving from Nature (PPSN IX). 9th International Conference*, Springer, pp. 910--919, Lecture Notes in Computer Science Vol. 4193, Reykjavik, Iceland, September 2006.
7. Ricardo Landa Becerra^D and Carlos Artemio Coello Coello. “Solving Hard Multiobjective Optimization Problems using e-Constraint with Cultured Differential Evolution”, in Thomas Philip Runarsson, Hans-Georg Beyer, Edmund Burke, Juan J. Merelo-Guervós, L. Darrell Whitley and Xin Yao (editors), *Parallel Problem Solving from Nature (PPSN IX). 9th International Conference*, Springer, pp. 543--552, Lecture Notes in Computer Science Vol. 4193, Reykjavik, Iceland, September 2006.
8. Luis Vicente Santana-Quintero^D, Noel Ramírez-Santiago^M, Carlos Artemio Coello Coello, Julián Molina Luque and Alfredo García Hernández-Díaz. “A New Proposal for Multiobjective Optimization using Particle Swarm Optimization and Rough Sets Theory”, in Thomas Philip Runarsson, Hans-Georg Beyer, Edmund Burke, Juan J. Merelo-Guervós, L. Darrell Whitley and Xin Yao (editors), *Parallel Problem Solving from Nature (PPSN IX). 9th International Conference*, Springer, pp. 483--492, Lecture Notes in Computer Science Vol. 4193, Reykjavik, Iceland, September 2006.
9. Guillermo Leguizamón and Carlos Artemio Coello Coello. “Boundary Search for Constrained Numerical Optimization Problems in ACO Algorithms”, in Marco Dorigo, Lucia Maria Gambardella, Mauro Birattari, Alcherio Martinoli, Riccardo Poli and Thomas Stützle (editors), *Ant Colony Optimization and Swarm Intelligence. 5th International Workshop, ANTS'2006*, Springer, pp. 108--119, Lecture Notes in Computer Science Vol. 4150, Brussels, Belgium, September 2006.

10. Wen Yu and Xiaou Li “PD control of robot with velocity estimation and uncertainties compensation”, *International Journal of Robotics & Automation*, Vol.21, No.1, pp. 1-9, 2006.
11. Rigoberto Toxqui Toxqui, Wen Yu, and Xiaou Li “PD Control of Overhead Crane Systems with Neural Compensation”, *Advances in Neural Networks -ISNN 2006*, Springer-Verlag, Lecture Notes in Computer Science (LNCS) vol. 3972, pp. 1110-1115, 2006.
12. Lorena Chavarría Báez^D and Xiaou Li, “Knowledge Verification of Active Rule-Based Systems”, *Computational Intelligence-ICIC2006*, Springer-Verlag, Lecture Notes in Control and Information Sciences (LNCIS) vol. 344, pp. 676-687,2006.
13. Lee M. H., Korzhik, V., Guillermo Morales-Luna. And E. Korbatov, S. Lusse. “Image Authentication Based on Modular Embedding”. The Institute of Electronics. Information and Communication Engineers (IEICE) *Transactions on Information and Systems*, Oxford University Press. Vol. E89-D, Nr. 4, Apr. 2006. pp. 1498-1506.

ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS, CON ARBITRAJE

1. Debrup Chakraborty and Palash Sarkar, “A new mode of Encryption providing a tweakable strong pseudorandom” (Extended version), *Cryptology ePrint archive*, Report 2006/275, <http://eprint.iacr.org/2006/275>.
2. Margarita Reyes-Sierra^D and Carlos Artemio Coello Coello, “Multi-Objective Particle Swarm Optimizers: A Survey of the State-of-the-Art”. *International Journal of Computational Intelligence Research*, Vol. 2, No. 3, pp. 287--308, 2006.
3. Carlos Artemio Coello Coello, “The EMOO repository: a resource for doing research in evolutionary multiobjective optimization”. *IEEE Computational Intelligence Magazine*, Vol. 1, No. 1, pp. 37--45, February 2006.
4. Carlos Artemio Coello Coello, “Evolutionary Multiobjective Optimization: A Historical View of the Field”. *IEEE Computational Intelligence Magazine*, Vol. 1, No. 1, pp. 28--36, February 2006.
5. Luis Vicente Santana-Quintero^D and Carlos Artemio Coello Coello. “Una introducción a la computación evolutiva y alguna de sus aplicaciones en economía y finanzas”, *Revista de métodos cuantitativos para la economía*, Vol. 2, pp. 3-26, diciembre 2006, ISSN: 1886-516X.
6. Adriano de Luca, María Elena Sánchez, “La fisica moderna e le scienze sociali: un modello integrale nello studio dello stress e delle malattie gravi ” *Latinoamerica-online it.* pp. 1-6, noviembre 2006
7. Alain Tamayo-Fong, Luis Eduardo Leyva del Foy^D, Pedro Mejía Álvarez. “Component for debugging interrupt based systems”. In *Journal Research in Computing Science*, special issue: Control, virtual instrumentation and digital systems, p.p. 31-42. ISSN 1870-4069
8. José de Jesús Angel Angel^D and Guillermo Morales-Luna, “Counting Prime Numbers with Short Binary Signed Representation”, *Cryptology ePrint Archive*: Report 2006/121, <http://eprint.iacr.org/2006/121>.
9. Francisco Rodríguez-Henríquez, Guillermo Morales-Luna and Julio López-Hernández, "Low Complexity Bit-Parallel Square Root Computation over GF(2^m) for all Trinomials", *Cryptology ePrint Archive*, Número: 133, 26 páginas, 2006, disponible en: (<http://eprint.iacr.org/>).

10. Francisco Rodríguez-Henríquez, Guillermo Morales-Luna, Nazar Abas Saqib^D and Nareli Cruz-Cortés, “Parallel Itoh-Tsujii Multiplicative Inversion Algorithm for a Special Class of Trinomials”. *Cryptology ePrint Archive*, Número: 035, 25 páginas, 2006, disponible en: (<http://eprint.iacr.org/>).
11. Debrup Chakraborty and Palash Sarkar. “A General Construction of Tweakable Block Ciphers and Different Modes of Operations”. *INSCRYPT- 2006*, LNCS 4318, pp. 88-102, 2006.
12. Debrup Chakraborty and Palash Sarkar. “A new mode of operation providing a tweakable strong pseudorandom permutation”, *Fast Software Encryption 2006*, LNCS 4047, pp. 293-309, 2006.
13. Luis Vicente Santana-Quintero^D, Noel Ramírez^M and Carlos Artemio Coello Coello “A Multi-Objective Particle Swarm Optimizer Hybridized with Scatter Search”, in Alexander Gelbukh and Carlos Alberto Reyes-Garcia (Editors), *MICAI 2006: Advances in Artificial Intelligence, 5th International Conference in Artificial Intelligence*, Springer, pp. 294--304, Lecture Notes in Artificial Intelligence Vol. 4293, Apizaco, México, November 2006.
14. Enrique Rodriguez, Adriano de Luca et al, “Breakdown of scaling properties in abnormal heart rate variability” *Journal of Applied Research and Technology* Vol. 4, No 1, , pp. 82 – 97, April 2006.
15. Alejandro Cruz Sandoval, Wen Yu. and Xiaoou Li. “Passivity Analysis for Neuro Identifier with Different Time-Scales”, *Computational Intelligence-ICIC2006*, Springer-Verlag, Lecture Notes in Computer Science (LNCS) vol. 4114, pp. 428-433, 2006.
16. Jair Cervantes^D, Xiaoou Li and Wen Yu, “Support Vector Machine Classification Based on Fuzzy Clustering for Large Data Sets”, *MICAI 2006: Advances in Artificial Intelligence*, Springer-Verlag, Lecture Notes in Computer Science (LNCS) vol. 4293, pp. 572-582, 2006.

ARTÍCULOS PUBLICADOS EN EXTENSO EN MEMORIAS DE CONGRESOS INTERNACIONALES, CON ARBITRAJE

1. Joaquín Sergio Zepeda^D y Sergio V. Chapa Vergara. “Micro500: Un Sistema para Extracción de Conocimiento en Microorganismos”. *32nd CLEI Latin America Conference on Informatics*. Memorias en CD CLEI 2006. Santiago de Chile, agosto 2006.
2. Efrén Mezura-Montes, Jesus Velázquez-Reyes^M and Carlos Artemio Coello Coello, “Modified Differential Evolution for Constrained Optimization”, in *2006 IEEE Congress on Evolutionary Computation (CEC'2006)*, pp. 332--339, IEEE Press, Sheraton Vancouver Wall Centre Hotel, Vancouver, BC, Canada, July 2006.
3. Margarita Reyes-Sierra^D and Carlos Artemio Coello Coello, “Dynamic Fitness Inheritance Proportion For Multi-Objective Particle Swarm Optimization”, in Maarten Keijzer et al. (editors), *2006 Genetic and Evolutionary Computation Conference (GECCO'2006)*, pp. 89—90, Vol. 1, ACM Press, Seattle, Washington, USA, July 2006, ISBN 1-59593-186-4.
4. Efrén Mezura-Montes^D, Jesus Velázquez-Reyes^M and Carlos Artemio Coello Coello, “A Comparative Study of Differential Evolution Variants for Global Optimization”, in Maarten Keijzer et al. (editors), *2006 Genetic and Evolutionary Computation Conference (GECCO'2006)*, pp. 485--492, Vol. 1, ACM Press, Seattle, Washington, USA, July 2006, ISBN 1-59593-186-4.
5. Alfredo García Hernández-Díaz, Luis Vicente Santana-Quintero^D, Carlos Artemio Coello Coello, Rafael Caballero and Julián Molina, “A New Proposal for Multi-Objective Optimization using Differential Evolution and Rough Sets Theory”, in Maarten Keijzer et al. (editors), *2006 Genetic and Evolutionary Computation Conference (GECCO'2006)*, pp. 675—682, Vol. 1, ACM Press, Seattle, Washington, USA,

July 2006, ISBN 1-59593-186-4.

6. Margarita Reyes Sierra^D and Carlos Artemio Coello Coello, “On-line Adaptation in Multi-Objective Particle Swarm Optimization”, in *2006 Swarm Intelligence Symposium (SIS'06)*, pp. 61--68, IEEE Press, Indianapolis, Indiana, USA, May 2006.
7. Efrén Mezura-Montes^D, Carlos Artemio Coello Coello and Jesus Velázquez-Reyes^M, “Increasing Successful Offspring and Diversity in Differential Evolution for Engineering Design”, in I.C. Parmee (editor), *Proceedings of the Seventh International Conference on Adaptive Computing in Design and Manufacture*, pp. 131--139, The Institute for People-centred Computation (IP-CC), Bristol, UK, April 2006.
8. Rosario Martínez Gómez^M, Israel Vite Silva^D and Luis Gerardo De la Fraga, “Software for a X Ray Tomograph”, Congreso Internacional de Computación 2006, CIC'2006, *Research in Computing Science*, Special issue: Advances in Computer Science and Engineering, vol 23, pp. 109-120, 2006. ISSN: 1870-4069.
9. Leonor Borja Martínez^M, Ernesto Suaste Gómez and Luis Gerardo de la Fraga, “Automatic Calculation of the Pupil Response from Digital Video”, *2006 3rd International Conference on Electrical and Electronics Engineering*, IEEE Press, pp. 125-128, September 6-8, Veracruz, México, 2006. ISBN 1-4244-0403-7.
10. Julio Guadalupe Moctezuma Ramírez^M, Vicente Parra-Vega and Luis Gerardo de la Fraga, “Real Time Manipulation of Deformable Objects Made with Simplex Meshes”, *5th International Symposium on Robotics and Automation, Proceeding ISRA 2006*, San Miguel Regla, Hidalgo, México, August 25-28, 2006, pp. 147-150. ISBN 970-769-070-4.
11. José de Jesús Rubio, Wen Yu and Xiaoou Li, “Time-Delay Nonlinear System Modelling via Delayed Neural Networks”, *6th World Congress on Control and Automation*, Dalian, China, pp. 119-123, 2006
12. Rigoberto Toxqui Toxqui, Wen Yu and Xiaoou Li. “PD Control of Overhead Crane with Velocity Estimation and Uncertainties Compensation”, *6th World Congress on Control and Automation*, Dalian, China, pp. 139-143, 2006.
13. Jair Cervantes Canales^D, Xiaoou Li and Wen Yu, “Fuzzy Knowledge Learning via Adaptive Fuzzy Petri Net with Triangular Function Model”, *6th World Congress on Control and Automation*, Dalian, China, pp. 4249-4253, 2006.
14. Wen Yu and Xiaoou Li, “Fuzzy neural identification by online clustering with application on crude oil blending”, *2006 IEEE International Conference on Fuzzy Systems*, Vancouver, Canada, pp. 865-872, 2006.
15. Alejandro Cruz Sandoval, Wen Yu and Xiaoou Li, “Some stability properties of dynamic neural networks with different time-scales”, *2006 International Joint Conference on Neural Networks, IJCNN'06*, Vancouver, Canada, pp. 8334-8340, 2006.
16. Alejandro Cruz Sandoval, Wen Yu and Xiaoou Li, “Anti-swing control for overhead crane with neural compensation”, *2006 International Joint Conference on Neural Networks, IJCNN'06*, Vancouver, Canada, pp. 9478-9453, 2006.
17. Juan Angel Resendiz-Trejo, Wen Yu and Xiaoou Li, “Support Vector Machine for Nonlinear System On-line Identification”, *the 3rd International Conference on Electrical and Electronics*, Veracruz, Mexico, pp. 227-230, 2006.

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19. Lorena Chavarría Baez^D and Xiaoou Li, “Structural Error Verification in Active Rule-Based Systems using Petri Nets”, In Alexander Gelbukh and Carlos Alberto Reyes-García (editors), *Fifth Mexican International Conference on Artificial Intelligence (MICA I 2006)*, IEEE Computer Science, pp. 12-21, November 13-17, Apizaco, Mexico, 2006.
20. Edna Hernández^M, Xiaoou Li, Luis Enrique Rocha, “Entropy-based algorithm for discovering groups with mixed type attributes”, *the 3rd International Conference on Electrical and Electronics Engineering and XII Conference on Electrical Engineering*, Veracruz, Mexico, Sept. 6-8, 2006.
21. Francisco Palacios, Xiaoou Li and Luis Enrique Rocha, “Data Mining based CMAC Neural Network”, *the 3rd International Conference on Electrical and Electronics Engineering and XII Conference on Electrical Engineering*, Veracruz, Mexico, Sept. 6-8, 2006.
22. J. Jesus Nieto Miranda, Raúl Cruz Salazar, Arturo Minor. Martínez, Ana María Martínez Enríquez, Mosso Vazquez José L. Nieto and Paola A. Niño Suarez, “Sistema maestro para telemanipulación quirúrgica laparoscópica”, *IEEE 4o. Congreso Internacional en Innovación y Desarrollo Tecnológico*, pp. 1-4, octubre 2006, Cuernavaca Morelos, México
23. Raúl Cruz, Ana María Martínez Enríquez, Arturo Minor and J. Jesus Nieto. “Sistema Maestro para Telemanipulación de Instrumentos de Cirugía Minimamente Invasiva”. *V Congreso Anual de Ingeniería Alcances y tendencias en el Siglo XXI*, pp. 1-3, AUSB2006-170105, ASME, Caracas, Venezuela, junio 2006.
24. Luis Eduardo Leyva-del-Foyo^D, Pedro Mejia-Alvarez and Dionisio de Niz, “Abnormal Events Handling for Dependable Embedded Systems”. *IEEE Sixth Mexican International Conference on Computer Science (ENC 2006)*. pp. 81-91. San Luis Potosi, Mexico, Septiembre 2006.
25. Luis Eduardo Leyva-del-Foyo^D, Pedro Mejia-Alvarez and Dionisio de Niz, “Predictable Interrupt Management for Real Time Kernels over conventional PC Hardware”. *12th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications. RTCSA 2006*. pp. 385-394. Sydney, Australia. Agosto 16-18.
26. Luis Eduardo Leyva-del-Foyo^D, Pedro Mejia-Alvarez and Dionisio de Niz, “Predictable Interrupt Scheduling with Low Overhead for Real Time Kernels”. *The 12th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA 2006)*. pp. 385-394. Sydney, Australia, 16-18 Aug. 2006.
27. Luis Eduardo Leyva-del-Foyo^D, Pedro Mejia-Alvarez and Dionisio de Niz, “Real-Time Scheduling of Interrupt Request over Conventional PC Hardware”, *Seventh Mexican Internatioanl Conference on Computer Science, ENC'2006*. IEEE. Septiembre 18-22. pp.81-9. San Luis Potosí.
28. Guillermo Morales-Luna, “Basics for Algorithms in Quantum Computing”, in O. Rosas-Ortiz, M. Carbajal and O. Miranda (Eds), *Cinvestav Advanced Summer School, American Institute of Physics Conference Proceedings* vol. 809, pp. 64-79, Melville, NY, 2006. ISBN: 0-7354-0300-7, ISSN: 0094-243X.
29. Edscot Wilson-García^D, Guillermo Morales-Luna, “A Solution to the Information Retrieval Problem in Dynamic Grid Task Assignment”, Using the Force Field Model. *Proceedings of the 2006 Conference on Grid Computing and Applications (GCA'06)*. Las Vegas Nevada. June 26-29, 2006. pp. 204-210. ISBN: 1-60132-014-0.

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31. V. Korzhik, M. H. Lee, Guillermo Morales-Luna, "Stegosystems Based on Noisy Channels", in Joan Borrell, Jordi Herrera (Eds.) *Actas de la IX Reunión Española sobre Criptología y Seguridad de la Información*, Sep. 2006. pp. 379-387. ISBN: 84-9788-502-3.
32. Oscar Irineo-Fuentes^M, Nareli Cruz-Cortes, Francisco Rodríguez-Henríquez, Daniel Ortiz-Arroyo and Henrik Legind Larsen. "GA-Gammon: A Backgammon Player Program Based on Evolutionary Algorithms". *Fifth Mexican International Conference on Artificial Intelligence, MICAI 2006*, IEEE Computer Society Press, Tlaxcala, México, noviembre 13 -17. 2006. pp. 207-217
33. Saúl Zapotecas-Martínez^M, Cuauhtemoc Mancillas-López^M, Francisco Rodríguez-Henríquez and Nareli Cruz-Cortés, "Reconfigurable Hardware Implementation of the Lenstra Factorization Algorithm". *IEEE Computer Society Press*, pp. 129-132, ICEEE 2006, Veracruz, México, Septiembre 2006.
34. Juan Manuel Cruz-Alcaraz^M and Francisco Rodríguez-Henríquez, "Multiplicación Escalar en Curvas de Koblitz: Arquitectura en Hardware Reconfigurable". *XII taller IBERCHIP, IWS-2006*, publicado en CD, 22-24 of march 2006, San José, Costa Rica.

LIBROS ESPECIALIZADOS QUE CUBRAN EL TRABAJO DEL INVESTIGADOR, PUBLICADOS POR UNA CASA EDITORIAL RECONOCIDA.

- 1.- Francisco Rodríguez-Henríquez, Nazar Abas Saquib, Arturo Díaz Pérez and Cetin Kaya Koc, "Cryptographic Algorithms on Reconfigurable Hardware", Springer First Edition, noviembre 2006, 362 páginas, ISBN: 0387338837.

CAPÍTULOS DE INVESTIGACIÓN ORIGINAL EN EXTENSO EN LIBROS ESPECIALIZADOS, PUBLICADOS POR UNA CASA EDITORA.

1. Jorge Buenabad-Chávez and Santiago Domínguez Domínguez^D, "Comparing Two Parallel File Systems: PVFS and FSDDS". *Parallel Computing: Current & Future Issues of High-End Computing (2006)* 507{514. Editors: G.R. Joubert, W.E. Nagel, F.J. Peters, O. Plata, P. Tirado, E. Zapata. NIC Series Volume 33. John von Neumann Institute for Computing, Germany, 2006. ISBN: 3-00-017352-8. (Proceedings of ParCo 2005, 13-16 September 2005, Malaga, España.)
2. Carlos Artemio Coello Coello, "20 Years of Evolutionary Multi-Objective Optimization: What Has Been Done and What Remains to be Done", in Gary Y. Yen and David B. Fogel (editors), *Computational Intelligence: Principles and Practice*, Chapter 4, pp. 73--88, IEEE Computational Intelligence Society, 2006, ISBN 0-9787135-0-8.
3. Carlos Artemio Coello Coello, "Evolutionary Multi-Objective Optimization in Finance", in Jean-Philippe Rennard (editor), *Handbook of Research on Nature Inspired Computing for Economy and Management*, pp. 74--88, Vol. I, Idea Group Reference, Hershey, UK, 2006, ISBN 1-59140-984-5.

2007

ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS DE PRESTIGIO INTERNACIONAL, CON ARBITRAJE Estricto

1. García Hernández-Díaz, A., Santana-Quintero^D L.V., Coello Coello C. A., and Molina J. Pareto-Adaptive Epsilon-Dominance. *Evolutionary Computation*. Vol. 15. No. 4, pp. 493--517, Winter 2007.
2. Portilla-Flores, E. A., Mezura-Montes, E., Alvarez-Gallegos, J., Coello-Coello, C. A. and Cruz-Villar, C.A. Integration of Structure and Control Using an Evolutionary Approach: An Application to the Optimal Concurrent Design of a CVT, *International Journal for Numerical Methods in Engineering*. Vol. 71, No. 8, pp. 883--901, August 2007.
3. Mezura-Montes, E., Coello Coello, C. A., Velázquez-Reyes, J and Muñoz-Dávila, L. Multiple trial vectors in differential evolution for engineering design. *Engineering Optimization*. Vol. 39, No. 5, pp. 567-589, July 2007.
4. López Jaimes^D, A. and Coello Coello, C. A. MRMOGA: A New Parallel Multi-Objective Evolutionary Algorithm Based on the Use of Multiple Resolutions, Concurrency and Computation: Practice and Experience, Vol. 19, No. 4, pp. 397--441, March 25, 2007.
5. Alba, E., Luque, G., Coello Coello, C.A. and Hernández Luna, E. A Comparative Study of Serial and Parallel Heuristics Used to Design Combinational Logic Circuits. *Optimization Methods and Software*. Vol. 22, No. 3, pp. 485--509, June 2007.
6. Mendoza J., Morales D., López R., López E., Vannier J. C. and Coello Coello C. A. Multi-objective Location of Automatic Voltage Regulators in a Radial Distribution Network Using a Micro Genetic Algorithm. *IEEE Transactions on Power Systems*, Vol. 22, No. 1, pp. 404--411, February 2007.
7. Cortés Rivera D., Landa Becerra^D R. and Coello Coello C.A. Cultural Algorithms, an Alternative Heuristic to Solve the Job Shop Scheduling Problem. *Engineering Optimization*, Vol. 39, No. 1, pp. 69--85, January 2007.
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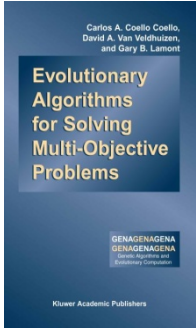
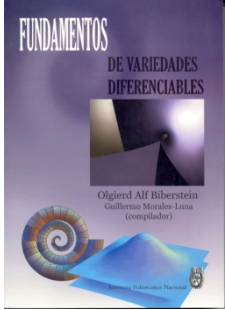
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