
Memorias In Extenso Artículos Arbitrados Publicados

ASTROFISICA

1. Carramiñana, A., "Unravelling unidentified gamma-ray sources with the Large Millimeter Telescope". Proceedings of the Multi-Messenger Approach to High Energy Gamma-Ray Sources, 4-7 julio 2006 - Barcelona, España. Astrophysics and Space Science 309, 527-530 (2007).
2. Carramiñana, A., "3EG J2020+4017, the gamma-Cygni source -- before GLAST". Proceedings of the Multi-Messenger Approach to High Energy Gamma-Ray Sources, 4-7 julio 2006 - Barcelona, España. Astrophysics and Space Science 309, 373-378 (2007).
3. Carramiñana, A., "Gamma-Ray Astrophysics - before GLAST" in, Solar Stellar and Galactic Connections between Particle Physics and Astrophysics", ISBN 978-1-4020-5574-4. Berlin: Springer, 2007. p. 215-229.
4. Carramiñana, A., "The Large Millimeter Telescope in the GLAST era" 1st GLAST Symposium en Stanford, California EU del 5 al 9 de febrero del 2007. AIPC 921, 83-85 (2007).
5. Rodríguez-Liñán, G., (estudiante) Carramiñana, A., "Searching for the first blazars with LMT and GLAST" 1st GLAST Symposium en Stanford, California EU del 5 al 9 de febrero del 2007. AIPC 921, 373-374 (2007) (7) "A fast photon counting camera for gamma-ray pulsar astronomy" Orozco, Benito; Carramiñana, Alberto; Michel, Raul; Zazueta, Salvador; Fordham, John L. A. 1st GLAST Symposium en Stanford, California EU del 5 al 9 de febrero del 2007. AIPC 921, 436-437 (2007).
6. Orozco, B., Carramiñana, A., Michel, R., Zazueta, S., Fordham, J. L. A., "A fast photon counting camera for gamma-ray pulsar astronomy" 1st GLAST Symposium en Stanford, California EU del 5 al 9 de febrero del 2007. AIPC 921, 436-437 (2007)
7. Carrasco, E., Langarica, G., Páez, G., Pérez, C., Aguayo, F., Reyes, J., "Manufacturing of frodospec red arm optics and mounts", RMAA Serie de Conferencias, 29, 138-138, 2007.
8. Ilic, D., La Mura, G., Popovic, L. C., Shapovalova, A. I., Ciroi, S., Chavushyan, V. H., Rafanelli, P., Burenkov, A. N., Mercado, A., "Physical properties of emitting plasma near massive Black Holes: the Broad Line Region" in Black Holes: From Stars to Galaxies - Across the Range of Masses. Proceedings of IAU Symposium 238, 21-25 agosto, 2006, in

Memorias In Extenso Artículos Arbitrados Publicados

- Prague, Czech Republic. Cambridge, UK: Cambridge University Press, 383-384, 2007
9. Ilic, D., La Mura, G., Popovic, L. C., Shapovalova, A. I., Ciroi, S., Chavushyan, V. H., Rafanelli, P., Burenkov, A. N., Mercado, A., "Physical Properties of the Broad-line Region". In *The Central Engine of Active Galactic Nuclei*. Edited by Luis C. Ho and Jian-Min Wang. ASPC, 373, 405 2007..
 10. León-Tavares, J., Lobanov, A. P., Chavushyan, V.H., Arshakian, T. G Radio-Optical Study of Double-Peaked AGNs. I. 3C 390.3". In *From planets to dark energy: the modern radio universe* University of Manchester, Manchester, UK. astro-ph:07121813, October 1-5 2007.
 11. Benítez, E., Franco-Balderas, A., Chavushyan, V.H., "The Supermassive Black-Hole Mass Estimation in the Sy1.9 Galaxy SBS 0748+499". Torrealba, J., ESO Astrophysics Symposia. In *Relativistic Astrophysics and Cosmology* –Eds. B. Aschenbach, V. Burvitz, G. Hasinger and B. Leibundgut. *Einstein's Legacy*, 112-114, 2007.
 12. Arshakian, T.A.; Lobanov, A.P.; Chavushyan, V.H., Shapovalova, A.I.; Zensus, J.A., 2007. "The Source of Variable Optical Emission is Localized in the Jet of the Radio Galaxy 3C390.3". ESO Astrophysics Symposia. In *Relativistic Astrophysics and Cosmology* –Eds. B. Aschenbach, V. Burvitz, G. Hasinger and B. Leibundgut. *Einstein's Legacy*, 112-114 2007.
 13. Hughes, D.H., Wagg, J., Chapin, E.L., Dunlop, J.S., Gaztañaga, E., Devlin M. "A broadband spectroscopic search for CO line emission in HDF850.1: the brightest submillimetre object in the Hubble Deep Field", in *z-Machines to ALMA*, ASPC, 375, 238, 2007.
 14. Rudnitskij, G.M., Pashchenko, M.I., Lekth, E.E., Samodurov, V.A., Subaev, I.A., Tolmachev, A.M., "Twenty-six-year monitoring of water masers", IAU Symposium 242, *Astrophysical masers and their environments*, 12-16 march, 2007, Australia. Program and thesis 132, marzo 2007.
 15. Benítez, E., Plionis, M., Krongold, Y., González, J.J., Cruz-González, I., Dultzin-Hacyan, D., Chavushyan, V., "Ly α emitters as tracers of proto-clusters of galaxies at high-z: RLQSOs and RQQSOs environment." In *First Light Science with the GTC*. Eds. R. Guzmán, C. Packham, J. M. Rodríguez-Espinosa, & S. Torres-Peimbert, RMAA SC 29, 167, 2007.
 16. Valdez-Gutiérrez, M., Puerari, I., "A turbulence study in Dwarf Irregular galaxies", *Triggered Star Formation in a Turbulent ISM*, Proceedings of, IAU Symposium 237, 14-18 August, 2006 in Prague, Czech Republic Cambridge University Press, 484-484, 2007.
 17. Puerari, I., Valdez-Gutiérrez, M., Gurovich, S., Freeman, K.F., Hernandez-Toledo, H., "Near Infrared Photometry of Southern Pairs and Triplets of

Memorias In Extenso Artículos Arbitrados Publicados

- Galaxies”, Publication: Galaxy Evolution Across the Hubble Time, Proceedings of the IAU Symposium 235, 14-17 August, 2006 in Prague, Czech Republic. Cambridge: Cambridge University Press, 237-237, 2007.
18. Silich, S., Tenorio-Tagle, G., Muñoz Tuñón, C, Palous, J., “Super massive star clusters: from superwinds to a cooling catastrophe and the re-processing of the injected gas.”, Publication, Triggered Star Formation in a Turbulent ISM, Proceedings of the International Astronomical Union 2, IAU Symposium 237, 14-18 August, 2006 in Prague, Czech Republic. Cambridge: Cambridge University Press, 242-245, 2007.
 19. Silich, S., “Super Star Clusters and Super Star Cluster Winds”, Publication Astrophysics and Cosmology after Gamow, Proceedings of the Gamow memorial international conference, August 8-14, 2004 in Odessa Ukraine, Cambridge Scientific Publishers, 213-224, 2007.
 20. Tenorio-Tagle, G., Silich, S., Muñoz-Tuñón, C., “Superstellar clusters and supergalactic winds”, NAR 51, 125-130 Febrero 2007
 21. Stasinska, G., Tenorio-Tagle, G. Rodriguez M., Henney, W., “Oxygen rich droplets and the enrichment of the ISM”, Publication, eprint arXiv0704.0160. Proceedings of the conference “The Metal Rich Universe”, Cambridge University Press.
 22. Wunsch, R., Palous, J., Tenorio-Tagle, G., Silich, S., “HD simulations of super star cluster winds”, Publicación: Triggered Star Formation in a Turbulent ISM, Proceedings of the International Astronomical Union 2, IAU Symposium 237, 14-18 August, 2006 in Prague, Czech Republic. Cambridge: Cambridge University Press, 497-497, 2007.
 23. Tenorio-Tagle, G., Muñoz Tuñón, C., Perez, E., Silich, S., Telles, E., “On the structure of giant HII regions and HII galaxies”, Publication, Triggered Star Formation in a turbulent ISM, Proceedings of the IAU Symposium 237, 14-18 August, 2006 in Prague, Czech Republic. Cambridge: Cambridge University Press, 238-241, 2007.
 24. Terlevich, R. J.;González, J. J.; Chávez, M.; Bertone, E.;Carramiñana, A.; Vázquez, S.; Franco, J.; Peimbert, M.; Cobos, F.;Bohigas, J.; López, A.; Cuevas, S.; de Diego, J. A.; Ruiz, E.;Tejada, C.en ,”Science with a Windfield 6.5m Spectroscopic Telescope” “The 3rd Mexico-Korea Conference on Astrophysics: Telescopes of the Future and San Pedro Mártir” Eds. S. Kurtz, J. Franco, S. Hong, G. García-Segura, A. Santillán,J. Kim, & I. Han RMAA SC 28, 55-59 ,2007.

Memorias In Extenso Artículos Arbitrados Publicados

25. Terlevich, E., Terlevich, R., Luridiana, V., "Gamow Legacy and the Primordial Abundance of Light Elements", Publication Astrophysics and Cosmology after Gamow, Proceedings of the Gamow memorial international conference, August 8-14, 2004 in Odessa Ukraine, Cambridge Scientific Publishers, 37-49, 2007.
26. Terlevich, R., Terlevich, E., Torres-Papaqui, J.P., Cid Fernandes R., Melnick, J, Kunth, D. Gu, Q. Bressan A., "The stellar population of active galactic nuclei", Publication Astrophysics and Cosmology after Gamow Proceedings of the Gamow memorial international conference, August 8-14, 2004 in Odessa Ukraine 2004, Cambridge Scientific Publishers, 225-236, 2007.
27. Bressan, A., Panuzzo, P., Silva, L., Buson, L., Clemens, M., Granato, G.L., Rampazzo, R., Valdes, J.R., Vega, O. "Early Type Galaxies in the Mid Infrared". To appear in the Proceedings of the Conf. "From Stars to Galaxies: Building the Pieces to Build Up the Universe", Vallenari et al. eds., ASP Conf. Series.
28. Bressan, A., Panuzzo, P., Vega, O., Buson, L., Clemens, M., Granato, G.L., Rampazzo, R., Silva, L., Valdes, J.R., "Early Type Galaxies in the Mid Infrared: a new flavor to their stellar populations." Stellar Populations as Building Blocks of Galaxies, Proceedings of IAU Symposium #241. Edited by A. Vazdekis and R. F. Peletier. Cambridge: Cambridge University Press, 395-398, 2007.
29. Valdés, J. R., Bressan, A., Falomo, R., Rampazzo, R., "A Circumnuclear Star Formation Ring in the BL Lac object PKS 2005-489", RMxAC 28, 108, 2007.

OPTICA

30. J. F. Aguilar-Valdez. "Wigner distribution function of the images of quasi-point sources in the vicinity of the focal plane". Proceedings of Iberoamerican Conference on Optics(RIAO), celebrada en Brasil del 21 al 26 de octubre de 2007.
31. R. Carrada-Legaria, V. Arrizón-Peña. "Implementation of complex transmittances with a phase electro-optical modulator". Sixth Symposium Optics in Industry, Julio C. Gutiérrez-Vega, Josué Dávila-Rodríguez, Carlos López-Mariscal, Eds., Proc. of SPIE Vol. 6422, 642219 celebrado en Monterrey, N. L. del 8 al 9 de marzo de 2007. 642219-1-642219-12.
32. U. Ruíz-Corona, V. Arrizon-Peña. "Characterization of twisted liquid crystal spatial light modulators". Sixth Symposium Optics in Industry, Julio C.

Memorias In Extenso Artículos Arbitrados Publicados

- Gutiérrez-Vega, Josué Dávila-Rodríguez, Carlos López-Mariscal, Eds., Proc. of SPIE Vol. 6422, 642219 celebrado en Monterrey, N. L. del 8 al 9 de marzo de 2007. 642215-1-642215-12.
33. R. Ponce-Díaz, V. Arrizón-Peña, A. Serrano-Heredia. "Numerical evaluation of commercial amplitude spatial light modulator for synthesis of general complex fields". Sixth Symposium Optics in Industry, Julio C. Gutiérrez-Vega, Josué Dávila-Rodríguez, Carlos López-Mariscal, Eds., Proc. of SPIE Vol. 6422, 642215 celebrado en Monterrey, N. L. del 8 al 9 de marzo de 2007. 64221A-1-64221A-11, 2007.
 34. K. Volke-Sepúlveda, A. Vásquez-Arzola, N. Hernández-Candia, R. Jáuregui, A. Orozco-Santillán, V. Arrizón-Peña. "Rotating matter with optical and acoustical wavefields: new aspects of angular momentum transfer". Optical Trapping and Optical Micromanipulation IV, Kishan Dholakia; Gabriel C. Spalding, Eds, Proc. of SPIE Vol. 6644 celebrado en San Diego CA. del 26 al 30 de agosto de 2007. 66440Z-1-66440Z-12.
 35. V. Arrizón-Peña, U. Ruíz-Corona, R. Carrada-Legaria, L. A. González-González.-"Accurate encoding of complex optical fields with pixelated phase-only spatial light modulators". 6th. International Workshop on Information Optics, Jón Atli Benediktsson, Bahram Javidi, Karl S. Gudmundsson, Eds., AIP Conference Proceedings Vol. 949 celebrado en Reykjavik, Islandia del 25 al 30 de Junio de 2007. 99-106.
 36. M. L. Cruz-López, M. Alcaraz-Rivera, J. J. Báez-Rojas, K. Der-Kuan. "Holographic data calculating algorithm and new Digital Hologram Recorder". SPIE Photonics West 2007 celebrado en San José California del 28 de enero al 2 de febrero de 2007. 648810-1-648810-8.
 37. A. Castro-Ibarra, Y. Frauel, B. Javidi. "Integral imaging with increased depth of field by using phase masks". Optics & Photonics for Security and Defence 2007, Proc. SPIE 6736, 673613 (Invited) celebrado en Florencia, Italia del 16 al 21 de septiembre de 2007. 673613-1-673613-8.
 38. Y. Frauel, A. Castro-Ibarra. "Increasing the depth of field of imaging systems with numerically optimized phase masks". Optics and Photonics for Security and Defence 2007, Proc. SPIE 6736, 673611 (Invited) celebrado en Florencia, Italia del 16 al 21 de septiembre de 2007. 673611-1-673611-8.
 39. A. Castro-Ibarra, Y. Frauel, B. Javidi. "Improving the depth of field of integral imaging systems using asymmetric phase masks". 6th Euro-American Workshop on Information Optics, AIP Conf. Proc. 949, (Invited) celebrado en Reykjavik, Islandia del 25 al 30 de junio de 2007. 53-58.
 40. C. Toxqui-Quitl, A. Padilla-Vivanco, F. Granados-Agustín. "Classification of motion-blurred images using circular moments". SPIE, Image and Signal Processing for Remote Sensing, Palazzo Degli Affari celebrado en Florence, Italia del 17 al 21 de septiembre 2007.

Memorias In Extenso Artículos Arbitrados Publicados

41. C. Gutiérrez-Martínez, J. Santos-Aguilar, J. A. Torres-Fortiz, A. Morales-Díaz. "Reconfiguring dispersion-induced microwave transmission windows on radio over fiber schemes by using optical delays". IEEE International Topical Meeting on Microwave Photonics celebrado en , Victoria B. C., Canada del 3 al 5 de octubre de 2007. 130-133.
42. C. Gutiérrez-Martínez, J. Santos-Aguilar, J. Torres-Fórtiz, A. Morales-Díaz. "Using photonic filters for tuning dispersión-induced microwave transmission windows on radio over fiber schemes". SBMO/IEEE MTT-S International Microwave and Optoelectronics Conference celebrado en Salvador, Bahía, Brasil del 29 octubre al 3 noviembre de 2007. 450-453.
43. B. Ibarra-Escamilla, O. Pottiez, E. A. Kuzin, R. Grajales-Coutiño, J. W. Haus, R. Rojas-Laguna. "Experimental investigation of a figure-eight fiber laser with a symmetrical NOLM and highly twisted fiber in the loop". Fiber Lasers IV: Technology, Systems, and Applications 2007, Proc. of SPIE Vol. 6453 celebrado en San José, CA. del 20 al 25 de enero de 2007. 645323-1-645323-9.
44. B. Ibarra-Escamilla, E. A. Kuzin, R. Grajales-Coutiño, O. Pottiez, J. W. Haus. "Experimental investigation of a passively mode-locked fiber laser based on a symmetrical NOLM with highly twisted los-birefringence fiber". 16th International Laser Physics Workshop (LPHYS'07) celebrado en León, Gto, México del 20 al 24 de agoto de 2007. 274.
45. O. Pottiez, B. Ibarra-Escamilla, E. A. Kuzin. "Short optical pulse profile characterization using a nonlinear optical loop mirror". 16th International Laser Physics Workshop (LPHYS'07) celebrado en León, Gto, México del 20 al 24 de agosto de 2007. 278.
46. B. Ibarra-Escamilla, E. A. Kuzin, R. Grajales-Coutiño, O. Pottiez, J. W. Haus. "Self-starting passive mode-locked figure-eight laser using a symmetrical coupler in the loop". CLOE/EUROPE-IQEC 2007 celebrado en Munich, Alemania del 17 al 22 de junio de 2007.
47. B. Ibarra-Escamilla, O. Pottiez, E. A. Kuzin, R. Grajales-Coutiño, J. W. Haus, R. Rojas-Laguna. "Experimental investigation of a figure-eight fiber laser with a symmetrical NOLM and highly twisted fiber in the loop". Fiber Lasers IV: Technology, Systems, and Applications, Proc. of SPIE Vol. 6453 celebrado en San José, CA. del 20 al 25 de junio de 2007. 645323.
48. R. Grajales-Coutiño, **B. Ibarra-Escamilla**, E. A. Kuzin. "Investigación experimental del amarre de modos en un láser de fibra utilizando un NOLM simétrico". Memorias del 8°. Encuentro de Investigación INAOE celebrado en Tonantzintla, Puebla 8 y 9 de de noviembre de 2007. 53-56.

Memorias In Extenso Artículos Arbitrados Publicados

49. A. Jaramillo-Núñez, M. Lucero-Alvarez. "Construction o fan optical tiltmeter". Sixth Symposium Optics in Industry, Proceedings of SPIE Vol. 6422, Edited by Julio C. Gutiérrez-Vega, Josué Dávila-Rodríguez, Carlos López-Mariscal, Editors, no. 6422, SPIE Digital Library celebrado en Monterrey, N. L. del 8 al 9 de marzo de 2007. 64220D-1-64220D-9.
50. M. A. Bello, E. A. Kuzin, B. Ibarra-Escamilla, A. Flores, R. Rojas-Laguna. "Two-stage single-pump Er-doped fiber amplifier with 55-dB amplification ns-long pulses". Fiber Lasers IV: Technology, Systems, and Applications 2007, Proc. of SPIE Vol. 6453 celebrado en San José, CA. del 20 al 25 de enero de 2007. 645322-1-645322-9.
51. R. Rojas-Laguna, J. Gutiérrez-Gutiérrez, E. A. Kuzin, B. Ibarra-Escamilla, S. Mendoza-Vazquez, J. M. Estudillo-Ayala, J. W. Haus. "Supercontinuum generation enhanced by conventional Raman amplification at pumping by nanosecond pulses from a directly modulated DFB laser". Nonlinear Frequency Generation and Conversion: Material, Devices, and Applications VI, Proc. of SPIE Vol. 6455 celebrado en San José, CA. del 20 al 25 de enero de 2007. 645516-1-645516-7.
52. E. A. Kuzin, B. Ibarra-Escamilla, N. Korneev, J. Gutiérrez-Gutiérrez, M. A. Bello-Jimenez, A. Flores-Rosas, R. Rojas-Laguna, O. Pottiez. "Nonlinear propagation of ns-scale pulses in a fiber with anomalous dispersion". 16th International Laser Physics Workshop (LPHYS'07) celebrado en Leon, Gto, México del 20 al 24 de agosto de 2007. 273.
53. M. Bello-Jiménez, **E. A. Kuzin**, B. Ibarra-Escamilla, R. Rojas-Laguna. "Corrección óptica no lineal de la forma del pulso de un láser DFB modulado directamente".
54. O. Pottiez, E. A. Kuzin, B. Ibarra-Escamilla. "Adjustable, non-sinusoidal transmission characteristics of a NOLM with an output polarizer for ultrafast transmission systems". CLOE/EUROPE-IQEC 2007 celebrado en Munich, Alemania del 17 al 22 de junio de 2007.
55. J. C. Juárez-Morales, G. Martínez-Niconoff, J. Muñoz-López. "Description of caustic structures in non-linear media: Envelope of characteristic trajectories for the non-linear schrödinger equation". Conference on Solid State Lighting, Proc. of SPIE Vol. 6669-52 celebrado en San Diego California, USA del 26 al 30 de agosto de 2007.
56. G. Martínez-Niconoff, J. Muñoz-López, G. Hernández-Orduña. H. H. Sánchez-Hernández. "Generation of diffracted free fields and dark hollow beams using spatial filtering". Optics and Photonics for Information

Memorias In Extenso Artículos Arbitrados Publicados

Processing, Proc. of SPIE Vol. 6695-50 celebrado en San Diego California, USA del 26 al 30 de agosto de 2007.

57. M. D. I. P. Hernández-Garay, A. Olivares-Pérez, I. Fuentes-Tapia, J. B. R. Ruiz-Limón, E. L. Ponce-Lee. "Characterization of PVA doped with different metallic salts as conductor polymer and as holographic film sensitized with ammonium dichromate". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648803-1,648803-8.
58. S. Toxqui-López, A. Olivares-Pérez. "Polyelectrolyte as holographic recording medium". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648804-1,648804-7
59. E. L. Ponce-Lee, A. Olivares-Pérez, J. B. R. Ruiz-Limón, M. P. Hernández-Garay, S. Toxqui-López, I. Fuentes-Tapia. "Organic photoluminescent holograms". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648805-1,648805-6.
60. M. D. I. P. Hernández Garay, A. Olivares-Pérez, I. Fuentes-Tapia, J. B. R. Ruiz-Limón, E. L. Ponce-Lee. "Electro-optical characteristics of holographic replication using a photopolymer and ZnCl₂". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 64880B-1,64880B-11.
61. J. B. R. Ruiz-Limón, A. Olivares-Pérez, E. L. Ponce-Lee, M. P. Hernández-Garay, S. Toxqui-López, I. Fuentes-Tapia. "Photoluminescent conductor polymer holograms". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648816-1,648816-7.
62. G. P. Trujillo Páez, A. Olivares-Pérez. "Hologram's in colored dichromate gelatin with natural colorant". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648817-1,648817-8.
63. M. Ortiz-Gutiérrez, K. Alemán, M. Pérez-Cortés, J. C. Ibarra-Torres, A. Olivares-Pérez. "Polyvinyl alcohol and crystal violet as photosensitive film". Proceedings of SPIE Vol. 6488, Practical Holography XXI: Materials and Applications, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 648819-1,648819-8.
64. M. Pérez-Cortés, M. Ortiz-Gutiérrez, K. Alemán, J. C. Ibarra-Torres, A. Olivares-Pérez, J. Becerra-Mecías. "Micro-desplacement measurements

Memorias In Extenso Artículos Arbitrados Publicados

- with Moiré patterns of Fresnel zone plates films". Proceedings of SPIE Vol. 6489, Projection Display XII, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 6489-15.
65. J. B. R. Ruiz-Limón, G. Wetzel, A. Olivares-Pérez, E. L. Ponce-Lee, M. P. Hernández-Garay, S. Toxqui-López, I. Fuentes-Tapia. "Polyvinil alcohol as photoluminescent conductive polymer". Proceedings of SPIE Vol. 6470, Organic Photonic Materials and Devices IX celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 6470-39.
 66. E. L. Ponce-Lee, A. Olivares-Pérez, J. B. R. Ruiz-Limón, M. P. Hernández-Garay, S. Toxqui-López, I. Fuentes-Tapia. "Photoluminescence of glucose with currant colorant". Proceedings of SPIE Vol. 6470, Organic Photonic Materials and Devices IX, Photonics West celebrado en San José, CA. del 28 de enero al 2 de febrero de 2007. 6470-40.
 67. R. Fontanilla-Urdaneta, M. P. Hernández-Garay, A. Olivares-Pérez, G. P. Páez-Trujillo, I. Fuentes-Tapia. "Electro-optical characteristics of holographic gratings in real time with voltage applied". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. Of SPIE Vol. 6657, doi: 10.1117/12.735008, celebrado en San Diego, CA. USA del 26 al 30 de agosto de 2007. 66570O-1, 66570O-8.
 68. G. P. Páez-Trujillo, A. Olivares-Pérez, N. Mejias-Brizuela, M. P. Hernández-Garay, R. Fontanilla-Urdaneta, I. Fuentes-Tapia, E. Amigon-De León. "Holograms recorded in organic dye-sensitized dichromate gelatin ". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. Of SPIE Vol. 6657, doi: 10.1117/12.734290 celebrado en San Diego, CA USA, del 26 al 30 de agosto de (2007). 66570M-1, 66570M-8
 69. R. Fontanilla-Urdaneta, M. P. Hernández-Garay, A. Olivares-Pérez, G. P. Páez-Trujillo, I. Fuentes-Tapia. "Polarization analysis of holographic gratings recorded in organic conductive materials". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. of SPIE Vol. 6657, doi: 10.1117/12.735074 celebrado en San Diego, CA USA del 26 al 30 de agosto de (2007). 66570Q-1, 66570Q-8.
 70. N. Mejias-Brizuela, A. Olivares-Pérez, M. P. Hernández-Garay, I. Fuentes-Tapia. "Sugar holograms with artificial organic colorants". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. of SPIE Vol. 6657 celebrado en San Diego, CA. USA del 26 al 30 de agosto de 2007. 66570H-1, 66570H-9.
 71. N. Mejias-Brizuela, A. Olivares-Pérez, G. P. Páez-Trujillo, I. Fuentes-Tapia. "Sugar holograms with erioglaucine and tartrazine". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. of SPIE Vol. 6657 , doi: 10.1117/12.735178 celebrado en San Diego, CA. USA, del 26 al 30 de agosto de 2007. 66570I-1, 66570I-8.

Memorias In Extenso Artículos Arbitrados Publicados

72. G. P. Páez-Trujillo, A. Olivares-Pérez, N. Mejias-Brizuela, M. P. Hernández-Garay, R. Fontanilla-Urdaneta, I. Fuentes-Tapia. E. Amigón-de León. "Hologram with dichromated polyvinyl alcohol and natural colorant". Organic 3D Photonics Materials and Devices, edited by Susana Orlic, Klus Meerholz, Proc. Of SPIE Vol. 6657 doi: 10.1117/12.734333 celebrado en San Diego, CA USA del 26 al 30 de agosto de 2007. 66570N-1, 66570N-8.
73. S. Stepanov, E. Hernández, F. Pérez, D. García, M. Plata-Salazar, P. Rodríguez-Montero. "Adaptive interferometer for detection of mechanical vibrations based on dynamic population gratings in Er-doped optical fiber". Technical Digest of the 2007 Conference on Lasers and Electrooptics–Europe celebrado en Munich, Alemania del 17 al 22 de junio de 2007. CC3-3-THU.
74. Z. Chen, J. Khurgin, P. Rodríguez-Montero, J. Lorenzo, S. Trivedi, C.C. Wang, B. Libbey, J. Habersat. "Absolute surface displacement measurement using pulsed photo-electromotive force laser vibrometer". Technical Digest of the 2007 Conference on Lasers and Electrooptics celebrado en Baltimore, E.U. del 6 al 11 mayo 2007. JThD50.
75. C.C. Wang, S. Trivedi, F. Jin, Z. Chen, J. Khurgin, P. Rodriguez-Montero, N. S. Prasad. "Biological life signs detection using high sensitivity pulsed laser vibrometer". Technical Digest of the 2007 Conference on Lasers and Electrooptics celebrado en Baltimore , E.U. del 6 al 11 mayo 2007. CWK5.
76. M. Tecpoyotl-Torres, J. C. Alvarez, F. A. Tellez-Alanis, J. Escobedo-Alatorre, J. Quiñones-Aguilar, J. J. Sánchez- Mondragón. "RF control system of a parabolic solar concentrator". Proceedings of SPIE Vol. 6649, 6649H-1 to 6649H-10. ISBN 978-0-8194-6797-3. Symposium on Solar Energy + Applications celebrado en San Diego, CA. del 26 al 30 de Agosto 2007.
77. A. Espinosa-Calderón, M. Torres-Cisneros, C. Velázquez-Ordóñez, J. J. Sánchez-Mondragón. "Non linear optical characterization of metal-dielectric submicro-spheres". AIP Conference Proceedings Volume 960. Advanced summer School in Phisics 2007, Frontiers in Contemporary Physics-EAV07 ISBN: 978-0-7354-0474-8. Editor(s). M. Carbajal, L. M. Montaña, O. Rosas-Ortiz, S. A. Tomas Velazquez, O. Miranda celebrado en México, D. F. del 9 al 13 de Julio de 2007. 231-235.
78. E. Pérez-Careta, J. G. Aviña-Cervantes, O. Debeir, J. J. Sánchez-Mondragón, D. May-Arrijoja, M. Torres-Cisneros. "Image processing for in Vitro cell tracking". IV Latin American Congress on Biomedical Engineering 2007 celebrado en Margarita, Venezuela del 24 al 28 de septiembre de 2007.

Memorias In Extenso Artículos Arbitrados Publicados

79. A. L. Muñoz-Zurita, J. Campos-Acosta, A. Shcherbakov, A. Pons-Aglio. "Measuring the reflectance and internal quantum efficiency of InGaAs/InP photodiodes in near infrared range". Proceedings of the IX International Congress on Advanced Infrared Technology and Applications celebrado en León, Gto. Del 8 al 12 de octubre de 2007. AITA-9, P.1-8.
80. A. Shcherbakov, A. L. Muñoz-Zurita, S. A. Nemov, J. Campos-Acosta. "Effect of the gain non-locality on bright dissipative optical solitons in multi-domained semiconductor laser waveguides with a slowly saturable gain and a fast-relaxing absorption". The OSA Topical Meeting on Nonlinear Photonics Technical Digest, 2007, celebrado en Quebec, Canada del 2 al 6 de septiembre de 2007. JWA7, 1-3.
81. A. Shcherbakov, J. Maximov, E. Tepichín-Rodríguez, S. E. Balderas-Mata. "Collinear three-wave acousto-optical coupled states in a medium with a square-law nonlinearity and losses". The OSA Topical Meeting on Nonlinear Photonics Technical Digest, 2007 celebrado en Quebec, Canada del 2 al 6 de septiembre de 2007. JMD18, 1-3.
82. A. Shcherbakov, A. Aguirre-López, S. E. Balderas-Mata. "Revealing non-collinear five-wave Bragg coupled states and studying their multi-pulse optical components in crystals". The OSA Topical Meeting on Nonlinear Photonics, Technical Digest, 2007 celebrado en Quebec, Canada del 2 al 6 de septiembre de 2007. JMD24, P.1-3.
83. C. G. Treviño-Palacios, A. Olivares-Pérez, O. J. Zapata-Nava. "Security system with optical key access". Sixth Symposium Optics in Industry, Julio C. Gutiérrez-Vega, Josué Dávila-Rodríguez, Carlos López-Mariscal, Eds, Proceedings SPIE Vol 6422 Berllingham W., USA celebrado en Monterrey, N. L. del 8 al 9 de marzo de 2007. 642218.
84. G. Urcid-Serrano, J. A. Nieves-Vázquez, C. A. Reyes-G. "Enhanced fuzzy autoassociative morphological memory for binary pattern recall". Proc. of the IV IASTED Inter. Conf. on Signal Processing, Pattern Recognition and Applications celebrado en Innsbruck, Austria, Acta Press 14 al 16 de febrero de 2007. 554-013, 116-121.
85. G. X. Ritter, M. S. Schmalz, G. Urcid-Serrano. "Efficient autonomous endmember determination using lattice auto-associative memories". 10th Joint Conference on Information Sciences, Proceedings of World Scientific Publishing celebrado en Salt Lake, Utah del 18 al 24 de Julio de 2007. 1632-1638.

Memorias In Extenso Artículos Arbitrados Publicados

86. G. Urcid-Serrano, J. C. Valdiviezo-Navarro. "Generation of lattice independent vector sets for pattern recognition applications". Math. of Data/Image Pattern Recog., Compression, Coding, and Encryp. X with Applications, Proceedings of SPIE, Vol. 6700 celebrado en San Diego, CA. del 28 al 30 de agosto de 2007. 67000C:1-12.
87. J. C. Valdiviezo-Navarro, G. Urcid-Serrano. "Hyperspectral endmember determination based on strong lattice independence". Applications of Digital Image Processing XXX, Proceedings of SPIE, Vol. 6696 celebrado en San Diego, CA. del 28 al 30 de agosto de 2007. 669625:1-12.
88. J. Herrera-Vázquez, S. Vázquez-Montiel. "Design of a solar concentrator with hexagonal facets". Optical Modeling and Measurements for Solar Energy Systems, Proceedings of SPIE, Vol. 6652 celebrado en San Diego, CA. del 26 al 30 de agosto de 2007. 66520E-1-66520E-12.
89. O. García-Liévanos, S. Vázquez-Montiel. "Aplanatic hybrid lenses". Current Development in Lens Design and Optical Engineering, Proceedings of SPIE, Vol. 6667, en San Diego, CA. del 26 al 30 de agosto de 2007. 66670K-1-66670K-7.
90. G. A. Martínez-Escalante, C. Gutiérrez-Martínez, A. Carramiñana-Alonso. "Estacion de monitoreo de radiofrecuencias para el Gran Telescopio Milimétrico (GTM)". Congreso Nacional de Ingeniería Eléctrica y Electrónica del Mayab (CONIEEM) celebrado en Mérida, Yuc. del 26 al 30 de marzo de 2007. 344-350.
91. G. A. Martínez-Escalante, C. Gutiérrez Martínez, A. Carramiñana-Alonso. "Diseño conceptual y desarrollo de una estación de monitoreo de radiofrecuencias para el Gran Telescopio Milimétrico (GTM)". Congreso ELECTRO 2007 celebrado en Chihuahua, Chi. del 17 al 19 de octubre de 2007.
92. A. Morales-Díaz, C. Gutiérrez Martínez, J. A. Torres Fórtiz, J. Meza Pérez. "Diseño y realización de osciladores programables de microondas basados en lazo de amarre de fase (PLL)". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007.
93. R. Ochoa-Valiente, J. Santos-Aguilar, J. Contreras-Rodríguez, C. Gutiérrez-Martínez. "Caracterización de sensores electroópticos para la medición de campos eléctricos intensos". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007.

Memorias In Extenso Artículos Arbitrados Publicados

94. J. A. Torres Fórtiz, C. Gutiérrez Martínez, J. Meza Pérez, A. Morales-Díaz, J. Contreras Rodríguez. "Recuperación de la señal de sincronía de un sistema de comunicaciones optoelectrónico utilizando subportadora modulada en posición de pulsos, PPM para transmisor video, mediante el uso de un PLL". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007.
95. J. Contreras Rodríguez, J. Meza Pérez, C. Gutiérrez Martínez, J. A. Torres Fórtiz. "Diseño y desarrollo de un sistema de monitoreo remoto de variables climáticas en tiempo real vía internet para el proyecto GTM". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007.
96. A. Jaramillo-Núñez, M. Lucero-Alvarez. "Inclinómetro óptico". XI Encuentro Regional de Investigación y Enseñanza de la Física celebrado Puebla, Pue del 6 al 7 de julio de 2007., Editadas por la BUAP en CD, fecha de edición Julio de 2007, ISBN 978-968-9182-31-3. 93-98.
97. M. Torres-Cisneros, G. Aviña-Cervantes, D. A. May-Arrijoa, J. J. Sánchez-Mondragón, E. Pérez-Careta, J. Escobedo-Alatorre. "Procesamiento de imágenes para el seguimiento celular in Vitro bajo contraste de fase". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Rio, Veracruz del 29 de octubre al 2 de noviembre de 2007. PI-01.
98. C. Velásquez-Ordóñez, D. A. May-Arrijoa, J. J. Sánchez-Mondragón, A. Campero, M. Basurto-Pensado, A. Alejo-Molina, M. Torres-Cisneros. "Síntesis de esferas de óxido de silicio (SiO_2) con plata metálica". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Rio, Veracruz del 29 de octubre al 2 de noviembre de 2007. OME-02
99. M. Torres-Cisneros, C. Velásquez-Ordóñez, D. A. May-Arrijoa, J. Sánchez-Mondragón, A. Campero, M. Tecpoyotl-Torres, F. Arteaga-Sierra. "Caracterización óptica lineal y no lineal de nanomateriales". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Rio, Veracruz del 29 de octubre al 2 de noviembre de 2007. ON-04.
100. D. A. May-Arrijoa, P. LiKamWa, J. J. Sánchez-Mondragón, J. Escobedo-Alatorre, M. Basurto-Pensado. "Monolithic integration of InP modulators". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Rio, Veracruz del 29 de octubre al 2 de noviembre de 2007. OEC-01.
101. A. Shcherbakov, A. L. Muñoz-Zurita, S. A. Nemov, J. Campos-Acosta. "Applying a triple correlation to measuring the envelopes of ultrashort optical

Memorias In Extenso Artículos Arbitrados Publicados

- pulses". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007. ASS-75, 1-5.
102. A. L. Muñoz-Zurita, J. Campos-Acosta, A. Shcherbakov, A. Pons Aglio. "Differences of silicon photodiodes reflectance among a batch and by ageing". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007. AMZ-54, P.1-5.
103. A. Shcherbakov, S. E. Balderas-Mata, A. Luna-Castellanos, E. Tepichín-Rodríguez, J. Maximov. "Optical scheme of a high acousto-optical spectrometer for the Mexican Large Millimeter Telescope; the number of resolvable spots". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007. 58-SBM, 1-6.
104. A. Shcherbakov, S. E. Balderas-Mata. "Potential dynamic range inherent in the optical scheme of acousto-optical spectrometer for the Mexican Large Millimeter Telescope". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007. 51-SBM, 1-6.
105. A. Martínez-Ramírez, E. Tepichín-Rodríguez, J. Pedraza-Chávez. "Sistema autónomo basado en microcontrolador para posicionamiento micrométrico de elementos ópticos". Congreso SOMI XXII celebrado en Monterrey, N. L. del 30 de septiembre al 4 de octubre de 2007. AMRXXII138.
106. O. García-Liévanos, S. Vázquez-Montiel, P. Jasso-Oliva. "Relación analítica de los números de Abbe en el diseño de dobletes acromáticos libres de aberración esférica y coma". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Río, Veracruz del 29 de octubre al 2 de noviembre de 2007. XX-OPTICA2007-1 a XX-OPTICA2007-7.
107. J. González-García, A. Santiago-Alvarado, S. Vázquez-Montiel, B. Licona-Morán, F. Iturbe-Jiménez, A. Fernández-Moreno, T. I. Castillo-Diego. "Real images formed by a biconvex adaptive lens". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Río, Veracruz del 29 de octubre al 2 de noviembre de 2007. XX-OPTICA2007-1 a XX-OPTICA2007-6.
108. C. Wetzel, C. G. Treviño-Palacios. "Dual frequency birefringent filter for THz generation". XX Reunión Anual de Óptica, Ed. Academia Mexicana de Óptica celebrado en Boca del Río, Veracruz del 29 de octubre al 2 de noviembre de 2007. XX-OPTICA2007-1 a XX-OPTICA2007-6. ON-01.

Memorias In Extenso Artículos Arbitrados Publicados

109. M. Aceves-Mijares, D. Berman, L. R. Berriel, C. Domínguez, A. Morales, J. Pedraza. "Off Stoichiometric Silicon Oxide Applied to Enhance the Silicon Responsivity up to UV Region" International Conference on Sensor Technologies and Applications, Valencia, España, pp. 42-45, (2007)
110. R. López-Estopier, M. Aceves-Mijares, Z. Yu, C. Falcony. "Cathodeluminescence of Silicon Rich Oxide with nitrogen incorporated" 4th international conference on electrical and electronics engineering (ICEEE 2007), Mexico city, Mexico, pp341-344, (IEEE 07EX1762C), (2007)
111. R. López-Estopier, M. Aceves-Mijares, Z. Yu, C. Zuñiga, C. Falcony. "Effect of hydrogen and nitrogen on Photoluminescence of Silicon Rich Oxide" 13th CSTC, pp 127- 128, Montreal, Canada (2007). Elegido por su calidad por el "Canadian Institute for Physics Innovation" quien le atorgo un premio en efectivo.
112. W. Calleja-Arriaga, C. Zúñiga-Islas, P. Rosales-Quintero, J. De la Hidalga-Wade, C. Reyes-Betanzo, A. Torres-Jacome, and M. Linares-Aranda "Bulk Micromachining of High Index Silicon Wafers and Possible Applications in Microchannels and Diffractive Elements", Proceedings of ASME ICNMM2007, 5th International Conference on Nanochannels, Microchannels and Minichannels, June 18-20, 2007, Puebla, Mexico, pp. 1-6.
113. M. Castro-L, F. J. De La Hidalga-W, P. Rosales-Q, A. Torres-J, W. Calleja-A, E. A. Gutiérrez-D, and D. L. Kendall, "Effects of Channel and Crystalline Orientations on the Electron Mobility in MOSFETs Fabricated on (114) and (5 5 12)-Silicon Substrates", ECS Transactions, Vol. 6, No. 13, pp. 21-27, 2007. Participa estudiante M. Castro
114. M. Castro-L, F. J. De la Hidalga-W, P. Rosales-Q, A. Torres-J, W. Calleja-A, E.A. Gutiérrez-D, and D. L. Kendall,, "Formation of n and p Regions in (114) and (5 5 12)-Silicon Substrates", ECS Transactions, Vol. 6, No. 13, pp. 29-33, 2007. Participa estudiante M. Castro
115. Roberto Gómez, Víctor Champac, and Chuck Hawkins, "Stuck-Open Fault Aware in Advanced Technologies", 8th IEEE Latin American Test Workshop, March 2007.
116. Daniel Iparraguirre, Víctor Champac, "Design of Digital Structures Tolerant to Local Intra-Die Process Variations", IBERCHIP, March 2007.

Memorias In Extenso Artículos Arbitrados Publicados

117. A. Jiménez-P, F.J. De la Hidalga-W, L. Hernández-M, and P. Rosales-Q, "Analysis of the BSIMSOI Threshold Voltage Model for Short Channel PD-SOI" DTMOS 2007 International Semiconductor Device Research Symposium (ISDRS), University of Maryland, USA, 12-14 December 2007.
118. A. Jiménez-P and F.J. De la Hidalga-W, "Analysis of the Threshold Voltage BSIM-Model for a Short Channel PD-SOI DTMOS", 4th International Conference on Electrical and Electronics Engineering (ICEEE-2007), Mexico City, Sept. 5-7, Proceedings pp. 381-384, 2007.
119. Wilfrido Calleja Arriaga, Francisco Javier De la Hidalga Wade, Pedro Rosales, Alfonso Torres, and Don L. Kendall, Ramiro Rogelio Rodríguez "Thermal Oxide Grown on High Index Silicon Wafers", WCS Trans. 3, (33) pp. 9-14 (2007) ISSN: 1938-6737 online ISSN: 1938-5862
120. Yulia Ledeneva, Carlos A. Reyes-García and Alejandro Díaz-Méndez, "Automatic estimation of Parameters for the hierarchical reduction of rules of complex fuzzy controllers", in the proceedings of the Fourth International Conference on Informatics in Control, Automation and Robotics (ICINCO, 2007), Angers, France, May, 2007, pp 398-401 ISBN: 978-972-8865-82-5, Depósito Legal: 257879/07
121. Ochoa Luna Cristobal, Alejos Palomares Ruben, Vazquez Gonzalez Jose Luis, Navarro Martínez Juan, and Díaz Méndez Alejandro, "Fuzzy Control of a Carom Placer", 50th. MWSCAS 2007, pp 839- 847, Montreal Canada, Agosto 2007.
122. C. Muñoz- Montero, A. Díaz Sánchez, R. González-Carvajal, "A Very Compact KHN Filter with Multidecade Tuning," ECCTD 2007, Agosto 2007, pp. 44-47.
123. C. Muñoz-Montero, R. Gonzalez-Carvajal, A. Díaz-Sánchez and J.M Rocha, "Low frequency, current mode programmable KHN filters using large-valued active resistors," IEEE International Symposium on Circuits and Systems 2007, 27-30 May 2007, Page(s):3868 – 3871.
124. M. A. Gutiérrez de Anda, A. Sarmiento Reyes, A. Prieto Guerrero, "A new architecture for a FM modulator based on time-varying eigenvalues", 14th International Conference Mixed Design of Integrated Circuits and Systems (MIXDES 2007), 21-23 June 2007, Ciechocinek, Poland.

Memorias In Extenso Artículos Arbitrados Publicados

125. M.A. Gutiérrez de Anda, A. Sarmiento Reyes, J. Piskorowski, R. Kaszyński, "A model for a second-order continuous-time linear time-varying system with fully configurable system modes", 13th IFAC IEEE International Conference of Methods and Models in Automation and Robotics (MMAR 2007), 27-30 August 2007, Szczecin, Poland.
126. J. Piskorowski, M.A. Gutiérrez de Anda, "An efficient method for dynamics improvement in delay compensated continuous-time elliptic filters", Submitted to the IEEE Transactions on Circuits and Systems I, September 2007.
127. A. García-B., V. Grimalsky, E. A. Gutiérrez-D., and S. Koshevaya, "On quantum corrections to space charge waves in silicon", presented at the PIERS'2007 Conference held in Beijing, March 2007. Published in the PIERS proceedings, Vol. 3, No. 2, pp. 141-144.
128. E.Reyes-Ayona and P.Halevi "Mean field theory of metallo-dielectric photonic crystals with magnetic components: the long-wavelength limit" Photonic Metamaterials, edited by Noginov, Zheludev, Boardman, and Engheta, Proc. of SPIE 6638, 66380G(2007) - 7pp
129. Victor Jimenez-Fernandez, Pedro Marcelo Julian, Osvaldo Agamenoni, Martin di Federico, Luis Hernandez-Martinez, Arturo Sarmiento-Reyes, "Finding operating points in networks containing MOS transistors by a piecewise-linear approach", XII Reunion de Trabajo en Procesamiento de la Informacion y Control, Octubre 16-18, 2007, Rio Gallegos, Argentina.
130. G. Jovanovic Dolecek and Naina Rao Nagrale, " On a Multiplierless FIR Decimation Filter Design", 14th IEEE International Conference on Electronics, Circuits and Systems, ICECS 2007, Marrakech, Morocco. Proc.IEEE Catalog: 07EX1841C, ISBN: 1-4244-1378-8, pp.967-970.)
131. G. Jovanovic Dolecek, " A New Modified Comb-Rotated Sinc (RS) Decimator with Improved Magnitude Response", 14th IEEE International Conference on Electronics, Circuits and Systems, ICECS 2007, Marrakech, Morocco. (Proc.IEEE Catalog: 07EX1841C, ISBN: 1-4244-1378-8, pp.250-253.)
132. Fernandez Vazquez, G. Jovanovic Dolecek and Xue Mei Xie, " On the Design of High Order Digital Equalizers", 2007 IEEE Symposium on Intelligent Signal Processing and Communication Systems, ISPACS07, Nov.28-Dec.1, Xiamen, China. (Proc. IEEE: 1-4244-1447-4/07, pp.29-32).
133. F. J. Trejo Torres and G. Jovanovic Dolecek, "Compensated CIC-Cosine Decimation Filter", 2007 IEEE International Symposium on Communications and Information Technologies, ISCIT 2007, October, Sydney, Australia. (Proc. IEEE Catalog :07EX1682C, ISBN: 1-4244-0977-2, Elsevier EI Compendex,pp.256-259.

Memorias In Extenso Artículos Arbitrados Publicados

134. G. Jovanovic Dolecek, "Modified CIC Filter for Rational Sample Rate Conversion", *2007 IEEE International Symposium on Communications and Information Technologies, ISCIT 2007*, October, Sydney, Australia. (Proc. IEEE Catalog :07EX1682C, ISBN: 1-4244-0977-2, Elsevier EI Compendex, pp.252-255).
135. G. Jovanovic Dolecek, "One Method for Efficient Wide-band FIR Filter Design," *International Conference RIM 2007*, Lake Plitvice Croatia, October 2007. (Proc. ISBN 978-9958-9262-1-1 , pp.1-6).
136. G. Jovanovic Dolecek and V. Dolecek, " Cosine-Based Decimator", *11th International Conference TMT 2007*, September 2007, Hammamet, Tunisia. (Proc. ISBN 978-9958-617-34-8, pp.635-638.)
137. G. Jovanovic Dolecek, and S. K. Mitra, "A New-Two-Stage CIC Based Decimation Filter," *5th International IEEE Symp on Image and Signal Processing and Analysis, ISPA 2007*, September 2007, Istanbul, Turkey. (Proc. IEEE 07EX1763C, ISBN 953184117-7, pp.218-224.)
138. G. Jovanovic Dolecek, "DSP: Advantages and Applications", (*Invited paper*) *II Seminario Internacional de Ingeniería Electronica*, UPB, Bucamaranga, Colombia, Nov. 2007, pp.1-26.
139. M. Moreno, A.Kosarev, A.Torres, R.Ambrosio. "Study of a Fabrication Process and Characterization of One-Dimensional Array of Un-cooled Micro-Bolometers Based on Germanium Films Deposited by Plasma", *Mater. Research Symposium, USA, San-Francisco, April, 2007*.
140. Mónico Linares Aranda, Manuel Salim Maza, Daniel Pacheco Bautista. "An Experimental Comparison of Clock Distribution Networks for Systems on Chip", *4th International Conference on Electrical and Electronics Engineering*, pp. 377-380. September 5-7, 2007. México D. F.
141. O. Malik, F.J. De la Hidalga-W., A. Torres-J., W. Calleja-A., "Origin of stimulated emission in nanostructured silicon p-n junction", *Proceedings of 4-th International Conference on Electrical and Electronics Engineering (ICEEE 2007), Mexico City, Mexico, September 5-7, 2007*, pp. 333-336.
142. Juan Manuel Ramírez, Pilar Gomez-Gil, Filiberto López Larios, "A Robot-vision System for Autonomous Vehicle Navigation with Fuzzy-logic Control using Lab-View", *Cuarto Congreso de Electrónica, Robótica y Mecánica Automotriz, CERMA 2007*, pp. 295-300, Cuernavaca, Morelos, 2007.
143. Blanca H. Lapizco-Encinas, Sandra Ozuna-Chacón, Marco Rito-Palomares, Claudia Reyes-Betanzo, Esther Collado-Arredondo, Sergio O. Martínez-Chapa. "Insulator based dielectrophoresis: effects of bulk medium properties", *Proceedings of the Fifth International Conference on Nanochannels, Microchannels and Minichannels ICNMM2007*, Puebla 18-20 junio, 2007.

Memorias In Extenso Artículos Arbitrados Publicados

144. Arturo Sarmiento Reyes, Luis Hernández Martínez y Carlos Hernández Mejía, "Generation of Analogue Behavioural Models in the Frequency-Domain for Linear Circuits", IBERCHIP 2007, 14-16 Marzo, 2007, Lima, Perú.
145. M.T. Sanz, J.M. García del Pozo, S. Celma and A. Sarmiento, "1.25 Gb/s Variable Transimpedance Amplifier in Digital CMOS Process", IEEE Midwest Symposium on Circuits and Systems, August 5-8, 2007, Montreal, Canada.
146. A. Sarmiento Reyes, J. Salazar Torres, L. Hernández Martínez, M.A. Gutiérrez de Anda, "FFinder: a MAPLE-based CAD frame for identifying feedback loops in electric circuits", 18th European Conference on Circuit Theory and Design (ECCTD 2007), 26-30 August 2007, Seville, Spain.
147. Victor Jimenez-Fernandez, Luis Hernandez-Martinez, Arturo Sarmiento-Reyes, "Applying an iterative-decomposed piecewise-linear model to find multiple operating points", 18th European Conference on Circuit Theory and Design (ECCTD 2007), 26-30 August 2007, Seville, Spain.
148. M. Fakhfakh, M. Loulou, N. Masmoudi, C. Sánchez-López, E. Tlelo-Cuautle, "Symbolic Noise Figure Analysis of CCII+s", 4th International Multi-Conference on Systems, Signals & Devices, vol. IV, ISBN: 978-9973-959-06-5, Hammamet, Tunisia, March 19-22, 2007.
149. Mourad Fakhfakh, Siwar Masmoudi, Mourad Loulou, E. Tlelo-Cuautle, "Synthesis of Voltage Followers and Design of Switched Current Memory Cells", IEEE ICM, pp. 148-151, ISBN 978-1-4244-1847-3, Cairo, Egypt, December 28-30, 2007.
150. C. Sánchez-López, E. Tlelo-Cuautle, M. Fakhfakh, M. Loulou, "Computing simplified noise-symbolic-expressions in CMOS CCs by applying SPA and SAG", IEEE ICM, pp. 159-162, ISBN 978-1-4244-1847-3, Cairo, Egypt, December 28-30, 2007.
151. M. Fakhfakh, M. Loulou, E. Tlelo-Cuautle, "Synthesis of CCII and Design of Simulated CCII Based Floating Inductances", IEEE ICECS, pp. 379-382, ISBN: 1-4244-1378-8, Marrakech, Morocco, December 11-14, 2007.
152. E. Tlelo-Cuautle, C. Sánchez-López, M. Fakhfakh, M. Loulou, "Designing SRCOs by Symbolic-Behavioral-Modeling of Unity-Gain Cells", IEEE ICECS, pp. 1035-1038, ISBN: 1-4244-1378-8, Marrakech, Morocco, December 11-14, 2007.
153. E. Tlelo-Cuautle, J.M. Muñoz-Pacheco, "Automatic simulation of 1D and 2D chaotic oscillators, International Symposium on Nonlinear Dynamics", Shanghai, October 27-30, 2007.

Memorias In Extenso Artículos Arbitrados Publicados

154. J.M. Muñoz-Pacheco, E. Tlelo-Cuautle, "Synthesis of n-scrolls attractors using saturated functions from high level simulation", International Symposium on Nonlinear Dynamics, Shanghai, October 27-30, 2007. Jesus Manuel Muñoz Pacheco
155. Carlos Sánchez-López, Lancelot García-Leyva, Esteban Tlelo-Cuautle, "Low Voltage Chaotic Oscillator using Voltage and Current Followers", IEEE CERMA, vol. 1, pp. 159-163, Cuernavaca, Morelos, September 2007.
156. E. Tlelo-Cuautle, M.A. Duarte-Villaseñor, C.A. Reyes-García, C. Sánchez-López, G. Reyes-Salgado, M. Fakhfakh, M. Loulou, "Designing VFs by applying genetic algorithms from nullator-based descriptions", IEEE ECCTD, pp. 555-558, ISBN: 1-4244-1342-7, Sevilla, Spain, August 26-30, 2007.
157. Giselle M. Galván-Tejada, Iclia Villordo-Jiménez and Ignacio E. Zaldívar-Huerta, "Fixed-Mobile Convergence on WiMAX Using Spatial Access", 2nd IEEE/IFIP International workshop on Broad Bnd Convergence Networks (BcN 2007), Munich Germany, May 21-25, 2007.
158. Aline Jaimes-Vera, Ignacio Llamas-Garro, Alonso Corona-Chavez, Ignacio Zaldívar-Huerta, "Microwave Narrowband Filters using Single and Stacked Coaxial Lines", Accepted to be presented on the 8th International Symposium on RF MEMS and RF Microsystems, MEMSWAVE 2007, Barcelona, Spain, June 26-29, 2007.
159. Carlos Zuñiga-Islas, Andrey Kosarev, Alfonso Torres-Jacome, Claudia Reyes-Betanzo, Wilfrido Calleja-Arriaga and Pedro Rosales-Quintero, "Electrical characterization of a-C:H as insulator material in MIM structures", ECS Transactions, Vol. 9, No. 1, pp. 259-267, 2007. (tambien publicado en Proceedings ECS).
160. Alberto Rochin Garcia, Alejandro Díaz Méndez, José Luis Vázquez González, "Fuzzy System for DOA Estimation in Mobile Communications usign a FPGA", 17th International Conference on Electronics. Commnications and Computers, 26-28 February 2007, Puebla, México.
161. Luis Abraham Sánchez Gaspariano, Alejandro Díaz Sánchez and Griselda Saldaña González "High-Precision Current-Based CMOS WTA/LTA Filtres"
162. Jesús E. Molinar-Solís, Luis A. Sánchez-Gaspariano, Alejandro Díaz-Sánchez, José Miguel Rocha-Pérez, "Low Complexity Winner Take All Circuit Based on FG-Inverter," Memoria XXIX Congreso Internacional de Ingeniería Electrónica Chihuahua 2007, pp. 147-149.
163. Fernández Vázquez, G. Jovanovic Dolecek, R. Rosas Romero, " Symbolic MAPLE-Based Design of Allpole Filters," 17 th International Conference on Electronics Communications and Computers, CONIELECOMP 2007, 26-28 Febrero, 2007, Cholula, Mexico. (Proc printed in CD and esta en IEEE y INSPEC)

Memorias In Extenso Artículos Arbitrados Publicados

164. G. Jovanovic Dolecek, "Efficient Techniques for Improving the Frequency Response of CIC Decimation Filter for SWR Applications", IV Encuentro Participación de la Mujer en la Ciencia, Leon Guanajuato, Mayo de 2007. (Proc printed en CD con ISBN 978-968-9241-03-4, pp.1-5)
165. Naina Rao Nagrale, G. Jovanovic Dolecek and J. Martinez Carballido, "An Efficient Method to Design Fractional Decimation System," *International IEEE Conference Electronics, Robotics and Automotive Mechanics Conference CERMA 2007*, September 2007, Cuernavaca, Mexico. (Proc. IEEE Computer Society Order Number P2974, ISBN 0-7695-2974-7) pp.39-43).
166. A.Torres, A.Kosarev, J.De la Hidalga, W.Calleja, C.Zuniga. "Thin film microbolometers based on materials deposited by PE CVD", XXVII Congreso Nacional Sociedad Mexicana de Ciencia y Tecnología de Superficies y Materiales, 24-28 de sept. 2007, Oaxaca, Mexico, Libro de resúmenes p.57. Tipo de circulación: internacional, registradas en el INSTITUTTE FOR SCIENTIFIC INFORMATION, SCIENCE CITACION INDEX.
167. M.A. Duarte-Villaseñor, E. Tlelo-Cuautle, G. Reyes-Salgado, C.A. Reyes-García, "Síntesis automática de seguidores de voltaje usando algoritmos genéticos", VII Congreso Nacional de Ingeniería Eléctrica y Electrónica del Mayab (CONIEEM), pp. 91-97, 26-30 marzo, Mérida 2007.
168. J.M. García-Ortega, E. Tlelo-Cuautle, C. Sánchez-López, "Transformación de filtros opamp-RC a filtros Gm-C", VII Congreso Nacional de Ingeniería Eléctrica y Electrónica del Mayab (CONIEEM), pp. 85-90, 26-30 marzo, Instituto Tecnológico de Mérida 2007.
169. R. Trejo-Guerra, E. Tlelo-Cuautle, "Síntesis De Funciones No Lineales Usando Espejos De Corriente CMOS", VII Congreso Nacional de Ingeniería Eléctrica y Electrónica del Mayab (CONIEEM), pp. 111-114, 26-30 marzo, Mérida 2007.
170. Jaimes-Vera Aline, Llamas-Garro Ignacio, Corona-Chavez Alonso, Zaldivar-Huerta Ignacio, "CAD Modeling of a Microwave Rectangular Coaxial Filtering Device", 17th International Conference on Electronics, Communications and Computers (CONIELECOMP 2007), Cholula, Puebla, México from the 26 to 28 of February 2007.
171. Jaimes-Vera Aline, Llamas-Garro Ignacio, Corona-Chavez Alonso, Zaldivar-Huerta Ignacio, "Review on Microwave and Millimeter Filters Using MEMS Technology", 17th International Conference on Electronics, Communications and Computers (CONIELECOMP 2007), Cholula, Puebla, México from the 26 to 28 of February 2007.
172. C.Zuñiga-I, P.Rosales-Q, E.Póndigo-de los A, A.Torres-J, C.Reyes-B, W.Calleja-A, F.J.de la Hidalga-W, M.Linares-A, F.Renero-C., XII Encuentro

Memorias In Extenso Artículos Arbitrados Publicados

- Regional de Investigación y Enseñanza de la Física, SMF, “Efecto de la dilución de Ar y H₂ en películas de a-C:H depositadas por PECVD”, Universidad de las Américas Puebla, 5 y 6 de julio de 2007.
173. A very compact KHN filter with multidecade tuning. Carlos Muñiz Montero, Ramón González Carvajal, Alejandro Díaz Sánchez
174. Atropamiento de carga en películas de óxido rico en silicio (SRO) depositadas por LPCVD, F.S. Márquez Rodríguez, M. Aceves-Mijares y R. López Estopier.
175. Búsqueda de trayectorias críticas en CI's digitales considerando variaciones de proceso y SSN, José Luis García-Gervacio y Víctor Champac Vilela.
176. Ecuación de inductancia propia para líneas conductoras integradas en si mediante una aproximación de la ley de ampere, Jesús Huerta Chua, Roberto Murphy Arteaga.
177. Electrical tuning of refraction in a two dimensional photonic, cristal infilled with a liquid cristal, J. A. Reyes Avendaño, Peter Halevi.
178. Estudio cualitativo de materiales amorfos del laboratorio de microelectrónica, H.C. Zúñiga, P. Rosales, E. Póndigo de los A. , A. torres-J, W-Calleja, F.J. de la Hidalga, M. Linares.
179. Extracción de parámetros del MOSFET, E. Torres-Ríos, Torres-Torres E.A. Gutiérrez
180. Fraccional-N frequency suntesizers building blocks design, Victor Rodolfo González Díaz, M.A. García Andrade, G. Espinosa-Flores Verdad
181. Mecanismos compartidos del espectro y fenómeno que afectan a un medio inalámbrico , Miguel Angel Del Valle Diego, y Rogelio Enriquez Caldera.
182. Negative refraction and focusing in magnetically coupled, L-C- loaded transmisión lines, Uriel Alfredo-Badillo, P. Halevi.
183. Erika Danaé López-Espinoza and Leopoldo Altamirano Robles. “Deterministic Component of 2-D Wold Decomposition for Geometry and Texture Descriptors Discovery”. Lecture Notes in Computing Science Vol. 4756, ISBN: 978-3-540-76724-4, ISSN 0302-9743. pp. 241-250. Springer-Verlag. November 2007.
184. Esteban Garcia and Leopoldo Altamirano. “Decision Level Multiple Cameras Fusion Using Dezert-Smarandache theory”. Lecture Notes in Computing Science Vol.4673. ISBN: 978-3-540-74271-5, ISSN 0302-9743. pp. 117-124. Springer-Verlag. Agosto 2007.

Memorias In Extenso Artículos Arbitrados Publicados

185. Nuño-Maganda M.A., Arias-Estrada M. Torres-Huitzil, "An Efficient Scalable Parallel Hardware Architecture for Multilayer Spiking Neural Networks" C. 3rd Southern Conference on Programmable Logic, 2007. SPL '07. I SBN: 1-4244-0606-4. pp. 167-170.
186. Saldana, Griselda, Arias-Estrada, Miguel, "Compact FPGA-based systolic array architecture suitable for vision system". Proceedings of the 4th International Conference on Information Technology: New Generations (ITNG2007), Las Vegas Nevada, USA, April 2007, pp. 1008 - 1013. ISBN: 0-7695-2776-0
187. Saldaña, Griselda, Arias-Estrada, Miguel, "Compact FPGA-based systolic array architecture for motion estimation using full search block matching". Southern Conference on Programmable Logic 2007 (SPL'07), Mar de Plata, Argentina, February, 2007, pp. 231-234. ISBN: 1-4244-0606-4
188. Marco Nuño-Maganda, Miguel Arias-Estrada, Cesar Torres-Huitzil. "High Performance Hardware Implementation of SpikeProp Learning: Potential and Tradeoffs". IEEE International Conference on Field Programmable Technology (ICFPT-07). Kitakyushu, Japan, 2007. pp 129-136
189. J. Arturo Olvera-López, J. Ariel Carrasco-Ochoa and J. Francisco Martínez-Trinidad. "Object Selection Based on Clustering and Border Objects". Computer Recognition Systems 2. Advances in Soft Computing 45. ISBN: 978-3-540-75174-8, ISSN 1615-3871. pp. 27-34. Springer-Verlag. October 2007.
190. Alejandro Rojas, René Cumplido, J. Ariel Carrasco-Ochoa, Claudia Feregrino, and J. Francisco Martínez-Trinidad, "FPGA-Based Architecture for Computing Testors", Lecture Notes in Computer Science Vol. 4881, ISBN: 978-3-540-77225-5 ISSN:0302-9743. pp. 188–197, Springer-Verlag, December 2007.
191. Pedro Aarón Hernández Ávalos, Claudia Feregrino Uribe, Roger Luis Velázquez, René A. Cumplido Parra. "Watermarking Based on Iterated Function Systems". IEEE Proceedings of the Magnum Conference on Computing 2007. November 2007.
192. Miguel Morales-Sandoval, Claudia Feregrino-Urbe, René Cumplido and Ignacio Algreto-Badillo, "A Run Time Reconfigurable Co-Processor for Elliptic Curve Scalar Multiplication", IEEE Proceedings of the Magnum Conference on Computing 2007. November 2007
193. Rodríguez-Colin Raúl, Feregrino-Urbe Claudia and Trinidad-Blas Gershom de J., "Data Hiding Scheme for Medial Images". IEEE Proceedings 17th International Conference on Electronics, Communications and Computers CONIELECOMP 2007. February 2007.

Memorias In Extenso Artículos Arbitrados Publicados

194. Dulce R. Herrera-Moro, Raúl Rodríguez Colín, Claudia Feregrino-Uribe "Adaptive Steganography based on textures". IEEE Proceedings 17th International Conference on Electronics, Communications and Computers CONIELECOMP 2007. February 2007.
195. J. Alberto Méndez-Polanco, A. Cristina Palacios García, Raúl Rodríguez-Colín, Claudia Feregrino-Uribe "Digital Watermarking Based on Image Centroid Resistant to Rotation and Scaling". IEEE Proceedings 17th International Conference on Electronics, Communications and Computers CONIELECOMP 2007.
196. Ivan Olmos, Jesus A. Gonzalez and Mauricio Osorio. "Reduction between the Subgraph Isomorphism Problem and Hamiltonian and SAT Problems". IEEE Proceedings 17th International Conference on Electronics, Communications and Computers CONIELECOMP 2007.
197. Octavio Gómez, Jesús A. González, and Eduardo F. Morales. "Image Segmentation Using Automatic Seeded Region Growing and Instance-Based Learning". Lecture Notes in Computer Science Vol. 4756, ISBN: 978-3-540-76724-4 ISSN: 0302-9743. pp. 192–201, Springer-Verlag, November 2007.
198. Guillermo De Ita and Aurelio López-López "A Worst-Case Time Upper Bound for Counting the Number of Independent Sets", Combinatorial and Algorithmic Aspects of Networking, LNCS Volume 4852/2007, pp. 85-98.
199. J. Arturo Olvera-López, J. Francisco Martínez-Trinidad and J. Ariel Carrasco-Ochoa. "Mixed Data Object Selection Based on Clustering and Border Objects". Lecture Notes in Computing Science Vol. 4756, ISBN: 978-3-540-76724-4, ISSN 0302-9743. pp. 674-683. Springer-Verlag. November 2007.
200. Selene Hernández Rodríguez, J. Francisco Martínez Trinidad, and J. Ariel Carrasco Ochoa. "Fast κ Most Similar Neighbor Classifier for Mixed Data Based on Tree Structure". Lecture Notes in Computing Science Vol. 4756, ISBN: 978-3-540-76724-4, ISSN 0302-9743. pp. 407-416. Springer-Verlag. November 2007.
201. Yulia Ledeneva, Alexander Gelbukh, René A. García-Hernández José Francisco Martínez Trinidad. J. Ariel Carrasco Ochoa. "A New Disagreement Measure for Characterization of Classification Problems". IEEE. Proceedings of the Magnum Conference on Computing 2007. November 2007.
202. J. Arturo Olvera-López, J. Francisco Martínez-Trinidad and J. Ariel Carrasco-Ochoa. "Restricted Sequential Floating Search Applied to Object Selection". Lecture Notes in Artificial Intelligence Vol. 4571, ISBN: 978-3-540-73498-7. ISSN 0302-9743. pp.694-702. Springer-Verlag. July 2007.

Memorias In Extenso Artículos Arbitrados Publicados

203. Selene Hernández Rodríguez, J. Francisco Martínez Trinidad, and J. Ariel Carrasco Ochoa. "Fast Most Similar Neighbor Classifier for Mixed Data". Lecture Notes in Artificial Intelligence Vol. 4509, ISBN: 978-3-540-72664-7. ISSN 0302-9743. pp.146-158. Springer-Verlag. May 2007.
204. Rita M. Aceves-Pérez, Manuel Montes-y-Gómez and Luis Villaseñor-Pineda. CICLING 2007. "Enhancing Cross-Language Question Answering by Combining Multiple Question Translations". Lecture Notes in Computer Science 4394, Springer 2007. pp 485-493.
205. Rafael Guzmán-Cabrera, Manuel Montes-y-Gómez, Paolo Rosso, Luis Villaseñor-Pineda. "Improving Text Classification using Web Corpora". 5th Atlantic Web Intelligence Conference, AWIC 2007. Advances in Soft Computing, Num. 43, Springer, June 2007. pp.154-159.
206. Hugo Escalante, Manuel Montes and Enrique Sucar. "PSMS for Neural Networks: on the IJCNN-2007 Agnostic vs Prior Knowledge Challenge". Results 2007 International Joint Conference on Neuronal Networks, Orlando, Florida, USA, August 2007. pp. 1191-1196.
207. Antonio Juárez-González, Alberto Téllez-Valero, Claudia Delicia-Carral, Manuel Montes-y-Gómez and Luis Villaseñor-Pineda. "Using Machine Learning and Text Mining in Question Answering". 7th Workshop of the Cross-Language Evaluation Forum, CLEF 2006. Lecture Notes in Computer Science 4730, Springer 2007. September 2007. pp. 415-423.
208. Manuel Pérez-Coutiño, Manuel Montes-y-Gómez, Aurelio López-López, Luis Villaseñor-Pineda and Aarón Pancardo-Rodríguez. "Applying Dependency Trees and Term Density for Answer Selection Reinforcement". 7th Workshop of the Cross-Language Evaluation Forum, CLEF 2006. Lecture Notes in Computer Science 4730, Springer 2007. September 2007. pp. 424-431.
209. Rita M. Aceves-Pérez, Manuel Montes-y-Gómez and Luis Villaseñor-Pineda. "Graph-based Answer Fusion in Multilingual Question Answering". TSD 2007. Lecture Notes in Computer Science 4629, Springer 2007. September 2007. pp. 621-629.
210. H. Jair Escalante, Manuel Montes-y-Gómez and L. Enrique Sucar. "Word Co-occurrence and Markov Random Fields for Improving Automatic Image Annotation". British Machine Vision Conference, 2007. August 2007. 600-609.
211. Rafael Guzmán-Cabrera, Manuel Montes-y-Gómez, Paolo Rosso, Luis Villaseñor-Pineda. "Taking Advantage of the Web for Text Classification with Imbalanced Classes". MICAI 2007. Lecture Notes in Artificial Intelligence 4827, Springer, 2007. November 2007. pp. 831-838.

Memorias In Extenso Artículos Arbitrados Publicados

212. Manuel Mejía-Lavalle, Eduardo F. Morales, and Gustavo Arroyo. "Two Simple and Effective Feature Selection Methods for Continuous Attributes with Discrete Multi-class". MICAI 2007. Lecture Notes in Artificial Intelligence 4827, Springer, 2007. November 2007. pp. 452-461.
213. Octavio Gómez, Eduardo F. Morales and Jesús A. González. "Weighted Instance-Based Learning Using Representative Intervals". MICAI 2007. Lecture Notes in Artificial Intelligence 4827, Springer, 2007. November 2007. pp. 420-430.
214. Erika Amaro-Camaro and Carlos A. Reyes Garcia. "Applying Statistical Vectors of Acoustic Characteristics for the Automatic Classification of Infant Cry". In Lecture Notes in Computer Science Vol. 4681. Springer-Verlag 2007. August 2007. pp. 1078-1085. ISSN: 0302-9743, ISBN: 978-3-540-74170-1.
215. Julieta Noguez, L. Enrique Sucar and Enrique Esponisa. "A Probabilistic Relational Student Model for Virtual Laboratories". Lecture Notes in Artificial Intelligence 4511, Springer-Verlag, 2007. June 2007. pp. 303-308. ISSN: 0302-9743. ISBN: 978-3-540-73077-4.
216. Julieta Noguez, Gilberto Huesca, L. Enrique Sucar. "Shared Learning Experiences in a Contest Environment within a Mobile Robotics Virtual Laboratory". 37th ASEE/IEEE Frontiers in Education Conference. October 2007.
217. Heidy Marin Castro, Enrique Sucar and Eduardo Morales. "Automatic Image Annotation Using a Semi-supervised Ensemble of Classifiers". Lecture Notes in Computer Science, Vol. 4756, Springer-Verlag. November 2007. pp. 487-495. ISSN: 0302-9743. ISBN: 978-3-540-76724-4.
218. Carlos Hernandez Gracidas and L. Enrique Sucar. "Markov Random Fields and Spatial Information to Improve Automatic Image Annotation". LECTURE Notes in Computer Science, Vol. 4872. Springer-Verlag. December 2007. pp. 879-892. ISSN: 0302-9743. ISBN: 978-3-540-77128-9.
219. Héctor Avilés, E. Corona, A. Ramírez, B. Vargas, J. Sánchez, L.E. Sucar and E.F. Morales. "A Service Robot Named Markovito". 4th IEEE Latin America Robotic Symposium – IX Congreso Mexicano de Robótica 2007. Monterrey Nuevo León. Noviembre 2007.
220. Rosa M. Ortega-Mendoza, Luis Villaseñor-Pineda and Manuel Montes-y-Gómez. MICAI 2007. "Using Lexical Patterns to Extract Hyponyms from the Web". Lecture Notes in Artificial Intelligence 4827, Springer, 2007. November 2007. pp. 904-911.
221. M. Coral Galindo Domínguez, Jesús A. González, Leopoldo Altamirano Robles and Ivan Olmos Pineda. "Descriptive Characteristics Generation and Selection for Acute Leukemia Subtype Classification from Bone Marrow Digital Images". Research in Computing Science, ISSN: 1870-4069.

Memorias In Extenso Artículos Arbitrados Publicados

- Advances in Artificial Intelligence and Applications. Vol. 32. November 2007. pp. 460-470.
222. Victor Rosales-Hernández, Liz Castillo-Jiménez, Gilberto Viveros-Vélez, Virgilio Zuñiga-Grajeda, Abel Treviño Torres, and M. Arias-Estrada. "Uranus: a rapid prototyping tool for FPGA embedded computer vision". Proceedings of SPIE -- Volume 6356. Eighth International Conference on Quality Control by Artificial Vision, May. 29, 2007.
223. María Guadalupe Jiménez-Velasco and Angélica Muñoz-Meléndez. "Coordination Strategies for Mobile Modular Robots". Proceedings of the 4th IEEE Latin American Robotic Symposium LARS 2007 & IX Congreso Mexicano de Robótica COMRob2007. Monterrey, NL., Noviembre 2007.
224. "A. Muñoz-Meléndez. "MDP Jerárquico para el Control de un Robot Hexápodo. G. Cuaya-Simbro", Memorias de 5to Congreso Internacional sobre Innovación y Desarrollo Tecnológico CIINDET. Cuernavaca Morelos. Noviembre 2007.
225. Answering Definition Questions using a Statistical Method Combined with a Classifier Ensemble, **Martínez-Gil, C.**, and **A. López-López** The Seventh International Symposium on Natural Language Processing, SNLP2007, Procs, Thailand, December 2007, ISBN 978-974-623-062-9, pp. 189-194.
226. Towards a Region-Level Automatic Image Annotation Benchmark. **Hugo Jair Escalante, Manuel Montes, L. Enrique Sucar**. Third MUSCLE/ImageCLEF Workshop on Image and Video Retrieval Evaluation. Budapest, Hungary. September, 2007.
227. INAOE's Participation a QA@CLEF2007. **Alberto Téllez, Antonio Juárez, Claudia Denicia, Gustavo Hernández, Esaú Villatoro, Manuel Montes, Luis Villaseñor**. Working Notes of CLEF 2007. Budapest, Hungary. September 2007.
228. Yulia Ledeneva, Alexander Gelbukh, Carlos A. Reyes García and Rene A. García Hernández. "Automatic Determination of Parameters for Rule Base Reduction of Complex Fuzzy Control Systems". Research in Computing Science, ISSN: 1870-4069. Advances in Computer Science and Engineering Vol.27. Mayo 2007.pp 37-48.
229. Ramón Zatarain, M.L. Barrón-Estrada, Guillermo A. Sandoval-Sánchez, L. Vega Zazueta, Carlos A. Reyes García. "Authoring Fuzzy-based Tutoring Systems for M-Learning". Research in Computing Science, ISSN: 1870-4069. Advances in Artificial Intelligence and Applications. Vol. 32. November 2007. pp. 385-394.
230. M.L. Barrón-Estrada, Ramón Zatarain-Cabada, J. Moisés Osorio-Velazquez, I. Zepeda-Sanchez and Carlos A. Reyes-García. "L2Code: An Author Environment to Integrate Multiple Intelligences and Naïve Bayesian Classifiers for MultiParadigm-Programming Training". Research in Computing Science, ISSN: 1870-4069. Advances in Artificial Intelligence and Applications. Vol. 32. November 2007. pp. 406-416.



Memorias In Extenso Artículos Arbitrados Publicados

231. Manuel Mejia-Lavalle and Enrique Sucar. "Perceptron for Feature Selection". Research in Computer Science. Vol. 28. Neural Network and Associative Memories. November 2007. ISSN: 1870-4069. pp. 115-125.
232. Rosa M. Ortega-Mendoza, Esaú Villatoro-Tello, Luis Villaseñor-Pineda, Manuel Montes-y-Gómez and Eduardo F. Morales. "On the Use of Dynamic Information for Speaker Identification". Research in Computing Science, ISSN: 1870-4069. Advances in Computer Science and Engineering Vol.27. Mayo 2007.pp 161-166.