



Memorias Arbitradas

Astrofísica

1. **Retes, R., Luna, A., Mayya, D., Carrasco, L.**, “The molecular cloud and embedded young stellar population associated with IRAS 18236-1205”, Star clusters: basic galactic building blocks throughout time and space, Proceedings of the International Astronomical Union, IAU Symposium 266, p. 516-516.
2. **Santiago-Cortés, M. (est), Mayya, Y. D., Rosa-González, D.**, “Study of the young and old compact stellar cluster population in M81” en “Star clusters: basic galactic building blocks throughout time and space”, Proceedings of the International Astronomical Union, IAU Symposium 266, p. 532-532.
3. Westbrook, B., Bender, P. A. R Ade, A.N., Cho, H. M., Clarke, J., Dobbs, M., **Ferrusca, D.**, Halverson, N. W., Holzappel, W. L., Johnson, B. R., Kennedy, J., Kermish, Z., Lanting, T., Lee, A. T., Lueker, M., Mehl, J., Mengk, X., Plagge, T., Reichardt, C. L., Richards, P. L., Schwan, D., Shirokoff E., Spieler, H., “Further Optimization of the APEX-SZ TES Bolometer Array”, The Thirteenth International Workshop on Low Temperature Detector—LTD13; AIP Conf. Proc. 1185, pp. 363-366.
4. Rampazzo, R., Panuzzo, P., **Bressan, A., Vega, O.**, Marino, A., Bianchi, L., Annibali, F., Buson, L. M., Clemens, M., Granato, G. L., Silva, L., Zeilinger, W. W., “Tracing Rejuvenation Events in Nearby Early-type Galaxies” in “Isolation: Exploring Nature Versus Nurture”, proceedings of a conference held 12 to 15 May 2009 in Granada, Spain. Edited by Lourdes Verdes-Montenegro, Ascención del Olmo, and Jack Sulentic. San Francisco: Astronomical Society of the Pacific, pp. 286-287 (octubre 2010).
5. Ilic, D., Popovic, L.C., Shapovalova, A., Kovacevic, A., León-Tavares, J., **Chavushyan, V.**, “The geometry of the broad line region: an inflow and accelerating outflow”, Mem. S.A.It. Vol. 15, 166, 2010.
6. Fissel, Laura M., Ade, Peter A. R., Angilè, Francesco E., Benton, Steven J., Chapin, Edward L., Devlin, Mark J., Gandilo, Natalie N., Gundersen, Joshua O., Hargrave, Peter C., **Hughes, David H.**, Klein, Jeffrey, Korotkov, Andrei L., Marsden, Galen, Matthews, Tristan G., Moncelsi, Lorenzo, Mroczkowski, Tony K., Netterfield, C. Barth, Novak, Giles, Olmi, Luca, Pascale, Enzo, Savini, Giorgio, Scott, Douglas, Shariff, Jamil A., Soler, Juan Diego, Thomas, Nicholas E., Truch, Matthew D. P., Tucker, Carole E., Tucker, Gregory S., Ward-Thompson, Derek, Wiebe, Donald V., “The balloon-borne large-aperture submillimeter telescope for polarimetry: BLAST-Pol”

Memorias Arbitradas

Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy V. Edited by Holland, Wayne S.; Zmuidzinas, Jonas. Proceedings of the SPIE, Volume 7741, pp. 77410E-77410E-14 (julio 2010).

7. **Hughes, David H.**, Jáuregui Correa, Juan-Carlos, Schloerb, F. Peter, Erickson, Neal, **Romero, Jose Guichard**, Heyer, Mark, Reynoso, David Huerta, Narayanan, Gopal, **Perez-Grovas, Alfonso Serrano**, Souccar, Kamal, Wilson, Grant, Yun, Min, "The Large Millimeter Telescope" Ground-based and Airborne Telescopes III. Edited by Stepp, Larry M.; Gilmozzi, Roberto; Hall, Helen J. Proceedings of the SPIE, Volume 7733, pp. 773312-773312-13 (julio 2010).
8. **Tenorio-Tagle, G.**, Pérez, E., Muñoz-Tuñón, C., **Silich, S.**, Palous, J. "Colliding galaxies and the rapid assembly of clouds into proto-superstar clusters" in "Star clusters: basic galactic building blocks throughout time and space", Proceedings of the IAU Symposium 266, Edits. R. de Grijs & J. Lepine, p. 64-68 (2010).
9. **Silich, S., Tenorio-Tagle G., Hueyotl-Zahuantitla, F.**, Palous, J., Wunsch, R., "SMBH Luminosity in the Starburst Environment", Proceedings of the IAU Symposium 267 "Co-Evolution of Central Black Holes and Galaxies", eds. B. M. Peterson, R. S. Somerville T. Storchi-Bergmann, p. 336 (2010).

Óptica

10. R. Carrada-Legaria, **V. Arrizón-Peña**, U. Ruiz-Corona "Phase computer generated holograms to encode structured light fields: A numerical and experimental evaluation" Laser Beam Shaping XI, edited by Andrew Forbes, Todd E. Lizotte, Proc. of SPIE Vol. 7789, (2010) del 2 al 6 de agosto de 2010, 778905-(1-11).
11. A. E. Villanueva Luna, **J. Castro Ramos**, S. Vázquez-Montiel, A. Flores Gil, J.A. Delgado-Atencio, "Comparison of different kinds of skin using Raman spectroscopy" SPIE Photonics West 2010 LASE, Conference 7584 Laser Applications in Microelectronic and Optoelectronic Manufacturing XV celebrado en San Francisco CA., USA del 23 al 28 de enero de 2010.
12. A. García-Arellano, **F. S. Granados-Agustín**, A. Cornejo-Rodríguez "Ronchi test with equivalent wavelength" SPIE Photonics West Conference Vol. 7584 Laser Applications in Microelectronic and Optoelectronic



Memorias Arbitradas

Manufacturing XV celebrado en San Francisco, CA. del 23 al 28 de enero de 2010. 758443.

- 13.F. Granados-Agustín**, E. Percino-Zacarias, I. Leal-Cabrera. "Grinding of aluminum mold using a rectangular tool controlled by an XYZ machine" International Optical Design Conference (IODC)/Optical Fabrication and Testing (OF&T) Technical Digest on CD-ROM JMB6. ISBN: 978-1-55752-893-3 Optical Society of America celebrado en Washington, DC, del 11 al 18 de junio de 2010).
- 14.M. Campos-García, F. Granados-Agustín**, I. Leal-Cabrera, A. Salas-Sánchez, A. Santiago-Alvarado, V. I. Moreno-Oliva "Optical testing of slow aspheric convex surfaces with null screens" 1st International Congress on Instrumentation and Applied Sciences celebrado en Cancún, Q. R. del 26 al 30 de octubre de 2010 202-MC.
- 15.Ibarra-Escamilla**, E. A. Kuzin, O. Pottiez, J. W. Haus, P. P. Powers, Q. Zhan "Wavelength tunable Er-Yb double-clad fiber laser" Solid State Lasers and Amplifiers, Proc. of SPIE Vol. 7721, Photonics Europe celebrado en Bruselas, Belgica del 12 al 16 de abril de 2010, 77211A.
- 16.O. Pottiez, R. Grajales-Coutiño, B. Ibarra-Escamilla**, E. A. Kuzin, A. González-García, J. C. Hernández-García, "Novel figure-eight fiber laser scheme including a power-symmetric nonlinear optical loop mirror with adjustable switching power" Solid State Lasers and Amplifiers, Proc. of SPIE Vol. 7721, Photonics Europe celebrado en Bruselas, Belgica del 12 al 16 de abril de 2010, 77210A.
- 17.R. Zhou, B. Ibarra-Escamilla**, Q. Zhan, P. E. Powers, J. W. Haus "Cylindrically polarized fiber laser" Enabling Photonics Technologies for Defense, Security, and Aerospace Applications VI, Proc. of SPIE Vol. 7700 celebrado en Orlando, Florida del 5 al 9 de abril de 2010, 7700XX.
- 18.R. Zhou, B. Ibarra-Escamilla**, Q. Zhan, P. E. Powers, J. W. Haus. "Self-focusing effects in gain-guided fibers" Enabling Photonics Technologies for Defense, Security, and Aerospace Applications VI, Proc. of SPIE Vol. 7700, celebrado en Orlando, Florida del 5 al 9 de abril de 2010, 7700XX.
- 19.R. Zhou, B. Ibarra-Escamilla**, J. W. Haus, P. E. Powers, Q. Zhan. "Self-focusing in gain-guided optical fibers and pulse propagation characteristics" Nonlinear Frequency Generation and Conversion: Material, Devices, and

Memorias Arbitradas

Applications IX, Proc. of SPIE Vol. 7582, Photonics West celebrado en San Francisco, CA. del 23 al 28 de enero de 2010. 75820R.

20. Q. Zhan, R. Zhou, P. E. Powers, J. W. Haus, **B. Ibarra-Escamilla**. "High power erbium doped fiber laser generating switchable radially and azimuthally polarized beams at 1.6 μ m wavelength" Fiber Lasers VII: Technology, Systems, and Applications, Proc. of SPIE Vol. 7580, Photonics West celebrado en San Francisco, CA. del 23 al 28 de enero de 2010. 75802Y.
21. R. Zhou, Q. Zhan, P. E. Powers, **B. Ibarra-Escamilla**, J. W. Haus. "Phase locking multiple fibers by a Talbot mirror fiber device" OSA'10 Frontiers in Optics/Laser Science celebrado en Rochester, NY, del 24 al 28 de octubre de 2010. FThG8.
22. Flores-Rosas, E. A. Kuzin, **B. Ibarra-Escamilla**, O. Pottiez, M. Durán-Sánchez "Raman circuit for all-optical switch" 2nd Workshop on Specialty Optical Fibers and Their Applications (WSOF-2), Proc. of SPIE Vol. 7839 celebrado en Oaxaca, Oax. del 13 al 15 de octubre 2010. 783923.
23. O. Pottiez, R. Grajales-Coutiño, **B. Ibarra-Escamilla**, E. A. Kuzin, J. C. Hernández-García, A. González-García, "Pulse with adjustable characteristics from a figure-eight fiber laser" 2nd Workshop on Specialty Optical Fibers and Their Applications (WSOF-2), Proc. of SPIE Vol. 7839 celebrado en Oaxaca, Oax. del 13 al 15 de octubre 2010. 783922.
24. **B. Ibarra-Escamilla**, E. A. Kuzin, O. Pottiez, J. W. Haus. "Er-Yb double-clad cw tunable fiber laser". 2nd Workshop on Specialty Optical Fibers and Their Applications (WSOF-2), Proc. of SPIE Vol. 7839 celebrado en Oaxaca, Oax. del 13 al 15 de octubre 2010, 783921.
25. R. Zhou, Q. Zhan, P. E. Powers, **B. Ibarra-Escamilla**, J. W. Haus "A multi-fiber laser using a phase-locking Talbot self-imaging effect" 2nd Workshop on Specialty Optical Fibers and Their Applications (WSOF-2), Proc. of SPIE Vol. 7839, celebrado en Oaxaca, Oax. del 13 al 15 de octubre de (2010), 78390M.
26. O. Pottiez, R. Grajales-Coutiño, J. C. Hernández-García, **B. Ibarra-Escamilla**, E. A. Kuzin "Generation of long broadband pulses with a figure-8 fiber laser" 19th International Laser Physics Workshop (LPHYS'10) celebrado en Foz do Iguacu, Brasil del 5 al 9 de julio de 2010, 429.

Memorias Arbitradas

- 27.N. Korneev-Zabello**, P. Rodríguez-Montero “Rubidium vapour based adaptive interferometer for laser ultrasound detection “ 2nd. International Symposium on Laser Ultrasonics celebrado en Telence, Francia del 5 al 8 de julio de 2010.
- 28.N. Korneev-Zabello**, P. Rodríguez-Montero, R. Ramos-García, J. C. Ramírez-San Juan, J. P. Padilla-Martínez “Ultrasound induced by CW cavitation bubbles” 2nd. International Symposium on Laser Ultrasonics celebrado en Telence, Francia del 5 al 8 de julio de 2010.
- 29.** A. Flores-Rosas, **E. A. Kuzin**, O. Pottiez, B. Ibarra-Escamilla, M. Durán-Sánchez “Optical switch based on stimulated Raman Scattering in optical fibers” 19th International Laser Physics Workshop (LPHYS’10), Foz do celebrado en Iguacu, Brazil del 5 al 9 de julio de 2010, 464.
- 30.E. A. Kuzin**, A. Flores-Rosas, B. Ibarra-Escamilla, M. Durán-Sánchez, O. Pottiez “The on-off contrast in an all optical switch based on stimulated Raman scattering in optical fibers”. Nonlinear Optics and its Applications, Proc. of SPIE Vol. 7728, Photonics Europe celebrado en Bruselas, Belgica del 12 al 16 de abril de 2010, 7728OZ.
- 31.**M. A. Bello-Jiménez, **E. A. Kuzin**, O. Pottiez, B. Ibarra-Escamilla, A. Flores-Rosas, M. Durán-Sánchez “Extraction of a single soliton from a bunch of solitons generated by pulse breakup” Nonlinear Frequency Generation and Conversion: Material, Devices, and Applications IX, Proc. of SPIE Vol. 7582, Photonics West celebrado en San Francisco, CA. del 23 al 28 de enero de 2010.75820Q.
- 32.**M. Durán-Sánchez, **E. A. Kuzin**, R. I. Alvarez-Tamayo, B. Ibarra-Escamilla, A. Flores-Rosas, M. A. Bello-Jiménez “Fine adjustment of cavity loss by fiber optical loop mirror for dual-wavelength laser” Fiber Lasers VII: Technology, Systems, and Applications, Proc. of SPIE Vol. 7580, Photonics West celebrado en San Francisco, CA. del 23 al 28 de enero de 2010, 75802O.
- 33.**A. Flores-Rosas, **E. A. Kuzin**, B. Ibarra-Escamilla, O. Pottiez, M. Durán-Sánchez “Raman circuit for all-optical switch” 2nd Workshop on Specialty Optical Fibers and Their Applications (WSOF-2), Proc. of SPIE Vol. 7839 celebrado en Oaxaca, Oax.del 13 al 15 de octubre 2010. 783923.
- 34.**K. Alemán-Ayala, A. Sánchez-Juárez, A. Kosarev, **S. Mansurova**, S. Koeber, K. Meerholz. “Influence of polymer: Sensitizer ratio on photoelectric



Memorias Arbitradas

properties of organic composite photoconductor". Photonics North Proceedings of SPIE, Vol. 7750 celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010, 77501W.

- 35.G. Díaz-González, J. Muñoz-López, J. Castro-Ramos** "Scattering in random profiling surfaces". SPIE International Society for Optical Engineering Proceedings of SPIE, Optics+Photonics, Vol. 7793, 77930N10 celebrado en San Diego, CA: del 2 al 6 de agosto de 2010, 7793-21-1-7793-21-7.
- 36.G. Díaz-González, J. Muñoz-López, J. Castro-Ramos** "Wavefront calculation from backscattering phase in optical rough surfaces" SPIE International Society for Optical Engineering Proceedings of SPIE, Optics+Photonics, Vol. 7793, 77930N10 celebrado en San Diego, CA: del 2 al 6 de agosto de 2010. 7790-43-1-7790-43-6.
- 37.J. C. Juárez-Morales, J. Muñoz-López, P. Martínez-Vara, G. Martínez-Niconoff** "Analysis of percolation in random nanoparticles arrays" SPIE International Society for Optical Engineering Proceedings of SPIE, Optics+Photonics, Vol. 7793, 77930N10 celebrado en San Diego, CA: del 2 al 6 de agosto de 2010. 7757-77-1-7757-77-7.
- 38.J. Muñoz-López.** "Wavefront retrieval from backscattering phase in optical tests considering rough elements" First International Congress on Instrumentation and Applied Sciences Conference Proceedings, CCADET-UNAM celebrado en Cancún, Q. R. del 26 al 30 de octubre de 2010.
- 39.J. C. Juárez-Morales, J. Muñoz-López, P. Martínez-Vara, G. Martínez-Niconoff** "Non-linear processes in nanoparticles chains". SPIE International Society for Optical Engineering Proceedings of SPIE, Optics+Photonics, Vol. 7793, 77930N10 celebrado en San Diego, CA: del 2 al 6 de agosto de 2010.
- 40.Sánchez-Juárez, K. Alemán-Ayala, M. Espinosa-Tlaxcalteca, A. Kosarev, S. Mansurova, S. Koeber, K. Meerholz.** "Characterization of the ambipolar transport properties of polymer-based organic photoconductor by non-steady-state photo-EMF technique" Photonics North Proceedings of SPIE, Vol. 7750, 77501V celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010.
- 41.K. Alemán-Ayala, S. Mansurova, A. Kosarev, P. Rodríguez-Montero, K. Meerholz, S. Koeber-Sensitizer** "Effects on the transport properties of

Memorias Arbitradas

polymer: Sensitizer organic blend” 2010 MRS Spring Meeting celebrado en San Francisco Ca. del 5 al 9 de abril de 2010.

- 42.** N. Y. Mejias-Brizuela, **A. Olivares-Pérez**. “Evolution of diffraction efficiency of holograms with monosaccharides” Proceedings SPIE 7619, pp., Holography, Digital Holography, CGHs, and HOEs. Photonics West, The Moscone Center celebrado en San Francisco CA. del 23 al 28 de enero de 2010. 7619-29.
- 43.** R. C. Fontanilla-Urdaneta, **A. Olivares-Pérez**, I. Fuentes-Tapia. “Study of pH effect and aging of coating emulsions for holograms recording” Proceedings SPIE 7619, Holography, Digital Holography, CGHs, and HOEs. Photonics West, The Moscone Center, San Francisco CA. del 23 al 28 de enero de 2010, 7619-30.
- 44.** M. Mazilu, J. Baumgartl, C. Rosales, **R. Ramos-García**, K. Dholakia “Multipoint studies of optical vortices and orbital angular momentum” International Conference on Optical Angular Momentum ICOAM 2010 celebrado en la Universidad de New York del 23 al 25 de marzo de 2010.
- 45.** **J. C. Ramírez-San Juan**, E. Rodríguez-Aboytes, A. E. Martínez-Canton, O. Baldovino-Pantaleón, S. Torres-Hurtado, A. Robledo-Martínez, N. Korneev-Zabello, R. Ramos-García “Cavitation induced by CW lasers in absorbing liquids” Photonics West Proc. SPIE 7562, 756211 (2010) celebrado en San Francisco California del 22 al 27 de enero de 2010.
- 46.** **J. C. Ramírez-San Juan**, J. P. Padilla-Martínez, P. Zaca-Morán, E. Rodríguez-Aboytes, A. E. Martínez-Cantón, R. Ramos-García. “Thermocavitation and its application for fabrication of micro-sized holes on metallic and dielectric films” Proc. SPIE 7762, 77621E (2010) celebrado en San Diego California del al de 2-6 de agosto de 2010.
- 47.** I. Guízar - Iturbide, L. G. De la Fraga, **P. Rodríguez-Montero**, S. Mansurova “Problem of Talbot self-images localization: Adaptive photo-EMF based detector vs. CCD-based methods”. Photonics North Proceedings of SPIE, Vol. 7750, 77500Y celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010. 1-9.
- 48.** I. Guízar - Iturbide, L. G. De la Fraga, **P. Rodríguez-Montero**, S. Mansurova “Adaptive photodetector versus conventional method for localization of the Talbot self-images”. SPIE Optics and Photonics 2010

Memorias Arbitradas

celebrado en San Diego, Ca. del 2 al 5 de agosto de 2010, Proc. SPIE 7790, 779018. 1-10.

49. I. Guízar-Iturbide, L. G. De la Fraga, **P. Rodríguez-Montero**, S. Mansurova. "Non-steady-state photo-EMF effect induced by an arbitrary 1-D periodical light distribution". SPIE Optics and Photonics 2010 celebrado en San Diego, Ca. del 2 al 5 de agosto de 2010, Proc. SPIE 7790, 779011. 1-8.
50. J. E. Antonio-López, I. Hernández-Romano, D. A. May-Arrijoja, **J. J. Sánchez-Mondragón**, P. LiKamWa. "Optofluidically tunable multimode interference erbium doped fiber laser" Photonics Society Summer Topical Meeting Series, 2010 IEEE celebrado en Cancún, Q. R. del 19 al 21 de Julio de 2010. 80-81.
51. J. E. Antonio-Lopez, M. Torres-Cisneros, J. A. Arredondo-Lucio, **J. J. Sánchez-Mondragón**, P. Likamwa, D. A. May-Arrijoja "Novel multimode interference liquid level sensors" 2nd Workshop on Specialty Optical Fibers and Their Applications Proc. SPIE 7839, 78391V (2010) celebrado en Oaxaca, Oax. del 13 al 15 de octubre de 2010. WSOF-2.
52. I. HERNÁNDEZ-ROMANO, D. A. MAY-ARRIOJA, D. A. **J. J. SÁNCHEZ-MONDRAGÓN**, P. J. DELFYETT "FABRICATION OF SU8/SWCNT FILMS AS SATURABLE ABSORBERS" PHOTONICS SOCIETY SUMMER TOPICAL MEETING SERIES, 2010 IEEE CELEBRADO EMN CANCÚN, Q. R. DEL 19 AL 21 DE JULIO DE 2010. **76-77**.
53. A. Alejo-Molina, **J. J. Sánchez-Mondragón**, A. Zamudio-Lara, D. A. May-Arrijoja, M. Torres-Cisneros "Omnidirectional reflector in a ternary metallo-dielectric stack". *Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010*. WE26.
54. O. S. Magaña-Loaiza, R. Sobolewski, A. Alejo-Molina, J. Zhang, C. Kosik-Williams, **J. J. Sánchez-Mondragón**. "Ultrafast spectroscopy used to generate and detect longitudinal acoustic phonons in high quality silicon on glass sample". *Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010*. WE31.
55. M. L. Miranda-Medina, B. Dastmalchi, H. Schmidt, E.-B. Kley, I. Bergmair, K. Hingerl, **J.J. Sánchez-Mondragón**. "Spectroscopic ellipsometry study of a swiss cross metamaterial". *Latin America Optics and Photonics Conference*



Memorias Arbitradas

OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010. WE14.

56. O. S Magaña-Loaiza, N. Lozano-Crisóstomo, **J. J Sánchez Mondragón**, R. Sobolewski, J. Escobedo-Alatorre, D. Romero-Antequera “Nonlinear quantum wires” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010. MB27.
57. I. Ruiz-Pérez, M. A. Basurto-Pensado, G. Urquiza-Beltrán, D. A. May-Arrijoja, E. Gasca-Herrera, **J. J. Sánchez Mondragón**, P. LiKamWa “Optical fiber sensor for pressure based on multimode interference as sensitive element” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010. MB23.
58. **J. J. Sánchez-Mondragón**, J. C. García-Melgarejo, S. Sánchez-Sánchez, M. Tecpoyotl-Torres, M. Basurto-Pensado “Pair of coupled bloch equations” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010 WE03.
59. A. Zamudio-Lara, **J. Sánchez-Mondragón**, C. Velazquez-Ordoñez, A. Alejo-Molina, M. Torres-Cisneros, J. Escobedo-Alatorre “Study of a spherical photonic crystal with conducting nano shell and a nano particle core” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010, WE25.
60. J. Escobedo-Alatorre, **J. Sánchez-Mondragón**, C. Velásquez-Ordoñez, O. S. Magaña Loaiza, M. Tecpoyotl-Torres, A. Zamudio Lara. “One dimensional photonic crystal with conducting nanoparticles composite” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010, WE29.
61. O. S. Magaña-Loaiza, R. Sobolewski, **J. J Sánchez-Mondragón**, C. Kosik-Williams, J. Zhang “Experimental ultrafast spectroscopy used to study carrier dynamics of high quality silicon on glass sample” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010. WE21.
62. J. G. Aguilar-Soto, J. E. Antonio-Lopez, **J. J. Sánchez-Mondragón**, P. LiKamWa, J. A. Arredondo-Lucio, D. A. May-Arrijoja. “Multimode interference

Memorias Arbitradas

fiber optic temperature sensor” Latin America Optics and Photonics Conference OSA LAOP Tech Digest celebrado en Recife, Brazil del 27 al 30 de septiembre de 2010 WE28.

63.A. Shcherbakov, P. Moreno-Zárate “Dynamics of shaping ultrashort dissipative solitary pulses in the actively mode-locked semiconductor laser with an external long-haul single-mode fiber cavity” Proceedings of SPIE 2010, Vol.7600. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7600-1H-1 – 7386-1H-10.

64.A. Shcherbakov, D. Sánchez-Lucero, S. E. Balderas-Mata “Efficiency of a one-phonon Bragg anomalous light scattering in tellurium dioxide single cristal with variously polarized incident light of visible range” Proceedings of SPIE 2010, Vol.7582. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7582-1B-1 – 7582-1B5-9.

65.A. Shcherbakov, J. Maximov, D. Sánchez-Lucero “Potentials of the acousto-optical spectral data processing on a basis of a novel algorithm of the collinear wave heterodyning in a large-aperture KRS-5 crystalline cell” Proceedings of SPIE 2010, Vol.7598. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7598-1J-1 – 7598-1J-11.

66.A. Shcherbakov, D. Sánchez-Lucero, A. Luna-Castellanos, J. Maximov “Some peculiarities of designing the optical scheme of tellurium dioxide crystalline cell based acousto-optical spectrometer for Mexican Large Millimeter Telescope” Proceedings of SPIE 2010, Vol.7598. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7598-1K-1 – 7598-1K-10.

67.A. Shcherbakov, P. Moreno-Zárate, J. Campos-Acosta, S. Mansurova, A. L. Muñoz-Zurita, S. A. Némov “Practical aspects of applying triple correlations to the characterization of high-frequency repetition trains of picosecond optical pulses” Proceedings of SPIE 2010, Vol.7582. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7582-1G-1 – 7582-1G-11.

68.A. Shcherbakov, P. Moreno-Zárate, J. Campos-Acosta, Y. V. Il'in, I.S. Tarasov. “Applying the joint Wigner time-frequency distribution to characterization of ultra-short optical dissipative solitary pulses in the

Memorias Arbitradas

actively mode-locked semiconductor laser with an external single-mode fiber cavity". Proceedings of SPIE 2010, Vol.7597. The 2010 SPIE Photonics West Conference celebrado en San Francisco, CA del 23 al 28 de enero de 2010, Technical Program 7597-1B-1 – 7597-1B-10.

69.L. Muñoz-Zurita, J. Campos-Acosta, A. Shcherbakov, R. Gómez-Jiménez. "Comportamiento de la reflectancia de fotodetectores de InGaAs/InP en el IR cercano con luz polarizada i sin polarizar" Memorias de 5to. Congreso Internacional de Ingeniería Física celebrado en México, D. F. del 17 al 21 de mayo de 2010. CIIF-092, 1-5.

70.A. Shcherbakov, J. Campos-Acosta, P. Moreno-Zárte, S. Mansurova, Y. V. Il', I. S. Tarasov "Characterizing the parameters of ultra-short dissipative solitary pulses in the actively mode - locked semiconductor laser with an external fiber cavity" Photonics North Proceedings of SPIE, Vol. 7750 celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010. 775018-1-775018-9.

71.A. Shcherbakov, J. Campos-Acosta, A. Pons-Aglio, P. Moreno-Zárte, S. Mansurova "Analysis of originating ultra-short optical dissipative solitary pulses in the actively mode-locked semiconductor heterolaser with an external fiber cavity". Photonics North Proceedings of SPIE, Vol. 7750 celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010, 775026-1-775026-11.

72.Shcherbakov, J. Maximov, S. E. Balderas-Mata, D. Sánchez Lucero. "A three-wave non-collinear dissipative coupled states in a two-mode medium with a square-law nonlinearity and linear optical losses" Photonics North Proceedings of SPIE, Vol. 7750 celebrado en Niagara Falls, Ontario, Canada del 1 al 3 de junio de 2010. 77500S-1-77500S-11.

73.Shcherbakov, J. Maximov, D. Sánchez-Lucero "Novel algorithm for spectral data processing in a multi-channel paralel acousto-optical spectrometer based on a large-aperlure KRS-5 crystalline cel" Proceedings of the 1-st International Congress on Instrumentation and Applied Sciences celebrado en Cancún, Q. R. del 26 al 29 de octubre de 2010. 1-15.

74.Shcherbakov, J. Maximov, A. Luna-Castellanos, D. Sánchez-Lucero "Characterizing a novel complete optical scheme of the acousto-optical spectrometer for Mexican Large Millimeter Telescope" Proceedings of the 1-st International Congress on Instrumentation and Applied Sciences celebrado en Cancún, Q. R. del 26 al 29 de octubre de 2010. 1-13.

Memorias Arbitradas

- 75. Shcherbakov**, J. Campos-Acosta, A. Pons Aglio, S. Mansurova, P. Moreno Zárate, Y. V. Il'in, I. S. Tarasov. "Main aspect of the joint Wigner time-frequency distributions implicit in ultra-short optical dissipative solitary pulses in the actively mode-locked semiconductor laser with an external fiber cavity" Proceedings of the 1-st International Congress on Instrumentation and Applied Sciences celebrado en Cancún, Q. R. del 26 al 29 de octubre de 2010. 1-13.
- 76. A. Shcherbakov**, S. Mansurova, P. Moreno Zárate, J. Campos-Acosta, S. A. Nemov. "Implementing the triple auto-correlations of ultra-short optical pulse trains with an adaptive photo electromotive force photodetector" Proceedings of the 1-st International Congress on Instrumentation and Applied Sciences celebrado en Cancún, Q. R. del 26 al 29 de 2010. 1-12.
- 77. S. Cruz-Félix**, J. M. Ibarra-Galitzia, E. López-Olazagasti, M. A. Rosales-Medina, **E. Tepichín-Rodríguez** "Comparison between two different methods to obtain the wavefront aberration function" SPIE Symposium on Optical Engineering + Applications. Conference Applications Of Digital Image Processing XXXIII, Paper 7798-64 Date: Wednesday, 04 august 2010 , Proceedings of SPIE Vol. 7798 celebrado en San Diego CA. del 1 al 5 de agosto de 2010. 77981U-1-77981U-8.
- 78. L. Morales-Téllez**, M. A. Rosales-Medina, E. López-Olazagasti, G. Ramírez-Zavaleta, **E. Tepichín-Rodríguez** "Refractive power maps of the anterior surface of the cornea according to different models" SPIE Symposium on Optical Engineering + Applications. Conference Applications Of Digital Image Processing XXXIII, Paper 7798-64 Date: Wednesday, 04 august 2010 , Proceedings of SPIE Vol. 7798 celebrado en San Diego CA. del 1 al 5 de agosto de 2010. 77981V-1-77981V-6.
- 79. J. C. Valdiviezo-Navarro**, **G. Urcid-Serrano**. "Multispectral image segmentation of ancient documents with lattice memories". Digital Image Processing and Analysis, 2010 Imaging and Applied Optics, OSA Optics and Photonics Congresses, celebrado en Tucson, Arizona del 7 al 8 de junio de 2010. DMD6: 1-3.
- 80. G. Urcid-Serrano**, J. C. Valdiviezo-Navarro, G. X. Ritter. "Lattice associative memories for segmenting color images in different color space" Hybrid Artificial Intelligence Systems, Vol. 6077 (Part II) 5th International Conference celebrado en San Sebastian, España del 23 al 25 de junio de 2010. 359-366.

Memorias Arbitradas

- 81.G. X. Ritter, **G. Urcid-Serrano** “Lattice neural networks with spike trains” Hybrid Artificial Intelligence Systems, Vol. 6077 (Part II) 5th International Conference celebrado en San Sebastian, España del 23 al 25 de junio de 2010. 367-374.
- 82.A. Santiago-Alvarado, **S. Vázquez-Montiel**, J. González- García, J. Muñoz-López, M. Campos-García “Analysis of opto-mechanical performance of a tunable liquid lens” SPIE Optics and Photonics 2010 Vol. 7786 celebrado en San Diego, Ca. del 2 al 5 de agosto de 2010. 778616-1-778616-9.
- 83.O. García-Lievanos, **S. Vázquez-Montiel** “Diffractive null lens for parabolic mirrors” SPIE Optics and Photonics 2010 Vol. 7652 celebrado en San Diego, Ca. del 2 al 5 de agosto de 2010. 76521E.
- 84.Santiago-Alvarado, F. Iturbide-Jiménez, **S. Vázquez-Montiel**, M. E. Ramírez-Guzmán. “Optical design and analysis of a tunable focus liquid lens with meniscus surfaces” International Optical Design Conference (IODC)/Optical Fabrication and Testing celebrado en Jackson Hole, Wyoming, USA del 13 al 17 de junio de 2010. 7652, 76520W.
- 85.J. J. Sánchez-Escobar, L. I. Barbosa-Santillán, J. Vargas-Ubera, **J. F. Aguilar-Valdez**, D. Gale “Aplicación de una estrategia evolutiva y la aproximación de Fraunhofer en la recuperación de distribuciones de tamaño de partículas a partir de datos relacionados con el esparcimiento angular de luz (Estudio numérico) XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 86.B. Canales-Pacheco, **A. Cornejo-Rodríguez**, F. Granados-Agustín “Prueba de Chalmers con pantalla de cristal liquido” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010. 77, 1-6.
- 87.P. Cebrian-Xochihuila, **A. Cornejo-Rodríguez**, F. S. Granados-Agustín, N. Korneev-Zabello, R. Díaz-Urbe “Interferómetro para Pruebas Ópticas Empleando un Filo de Navaja” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010. 181.
- 88.M. Campos-García, V. I. Moreno-Oliva, **F. Granados-Agustín**. “Prueba de superficies esféricas mediante pantallas nulas ajustando polinomios locales

Memorias Arbitradas

a las normales de la superficie” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010. 76, 1-8.

- 89.E.** Rueda-Soriano, **F. S. Granados-Agustín**, A. Cornejo-Rodríguez. “Montaje para la calibración del interferómetro de difracción por punto, con interferómetro Michelson y Tyman-Green” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010. 78, 1-5.
- 90.E.** V. García-Ramírez, M. L. Arroyo-Carrasco, M. M. Méndez-Otero, **M. D. Iturbe-Castillo**. “Descripción de la no localidad de un medio no lineal con un modelo simplicado”. XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 1 de septiembre 2010.
- 91.R.** I. Álvarez-Tamayo, M. Durán-Sánchez, **E. A. Kuzin**, B. Ibarra-Escamilla “Láser con longitud de onda dual sintonizable de fibra óptica basado en la compresión axial de una rejilla de Bragg que mantienen la polarización” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 92.D.** Rodríguez-Méndez, **H. M. Moya-Cessa**, O. Aguilar-Loreto “Estudio de la interacción entre un campo cuantizado, un espejo y un átomo de dos niveles” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 93.N.** Zalazar-Hermenegildo, R. Chiu-Zárate, **J. C. Ramírez-San Juan**, R. Ramos-García “Cálculo de la distribución de temperatura en tejido biológico durante cirugía laser” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 94.J. C. García-Melgarejo**, J. J. Sánchez Mondragón “**Pair of coupled Bloch equations**” XXIII Reunión Anual de Óptica, Septiembre 2010, Puebla, México **CS4-4**.
- 95.N. Lozano-Crisóstomo**, J. J. Sánchez-Mondragón, **O. S. Magaña-Loaiza**, **J. Escobedo-Alatorre**, **D. May-Arrijo** y **M. Basurto Pensado** “**Supermodes of Nonlinear Quantum Wires**”. XXIII Reunión Anual de Óptica, Septiembre 2010, Puebla, México. **AS3-2**.
- 96.A. Shcherbakov**, J. Maximov, D. Sánchez-Lucero “A multi-channel parallel spectrum analysis within a novel algorithm of the collinear wave heterodyning in a large-aperture KRS-5 crystalline acousto-optical cell” XXIII Reunión Anual de Optica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.



Memorias Arbitradas

- 97.A. Shcherbakov**, D. Sánchez-Lucero, A. Luna-Castellanos, J. Maximov, K. J. Sánchez-Pérez "Polarization properties of a multi-prism light beam expander for the tellurium dioxide cell based acousto-optical spectrometer" XXIII Reunión Anual de Óptica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 98.A. Shcherbakov**, P. Moreno-Zárate, S. Mansurova, J. Campos-Acosta, S. A. Nemov. Principal aspect in measurement of triple auto-correlations of ultraashorl optical pulse trains" XXIII Reunión Anual de Óptica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 99. A. Shcherbakov**, P. Moreno-Zárate, J. Campos-Acosta, Y. V.II'in, I. S. Tarasov "Analysis of the joint Wigner time-frequency distribution implicif in ultra-shorl optical dissipative solitary pulses" XXIII Reunión Anual de Óptica celebrada en Puebla Pue. del 6 al 10 de septiembre 2010.
- 100.** L. Morales-Tellez, E. López-Olazagasti, M. A. Rosales-Medina, **E. Tepichín-Rodríguez** "Mapa de poder refractivo del ojo humano" VII Encuentro: Participación de la Mujer en la Ciencia celebrado en León, Gto. del 26 al 28 de mayo de 2010. s4-fmct06.
- 101.** J. F. M. Escobar-Romero, **S. Vázquez-Montiel**, F. S. Granados-Agustín, M. E. Percino-Zacarías "Construcción de un prototipo de concentrador solar parabólico" XXIII Reunión Anual de Óptica celebrada en Puebla Pue. del 6 al 10 de Septiembre 2010. 80, 1-7.

Electrónica

- 102.** "Blue and red electroluminescence of silicon-rich oxide light emitting capacitors" A. Morales-Sánchez, **M. Aceves-Mijares**, A. A. González-Fernández, K. Monfil-Leyva, J. Juvert, C. Domínguez-Horna. Silicon Photonics and Photonic Integrated Circuits II, edited by Giancarlo Cesare Righini, Proc. of SPIE Vol. 7719, doi: 10.1117/12.854433.
- 103.** "Silicon sensor with high sensibility from 200 to 1100 nm using embedded silicon nano-particles" **M. Aceves-Mijares**, A. Díaz-Méndez, J. Pedraza, J. Miguel Rocha-Pérez, A. Gallardo, E. Gómez C. Domínguez. 2010 IEEE International 53rd Midwest Symposium on Circuits and Systems, p308-311, (2010).
- 104.** "Proceso de Fabricación para Integrar un Sensor de Silicio Usando SRO y la Electrónica CMOS de Control" **M. Aceves-Mijares**, S. Román, J. M.

Memorias Arbitradas

Rocha, J. Pedraza, A. Díaz-Méndez. Ibersensor 2010, 9-11, Lisboa, Portugal. (2010).

105. **Alonso Corona-Chavez**, and Tatsuo Itoh. "Bandwidth Enhancement of Substrate Integrated Waveguide Tunnels by Longitudinal Resonances". IEEE International Microwave Theory and Techniques-Symposium Digest., Anaheim, CA, May 2010.
106. **Humberto Lobato-Morales**, **Alonso Corona-Chavez**, D. V. B. Murthy, Juan Martinez-Brito, Luis G. Guerrero-Ojeda. "Experimental Dielectric Sensing of materials using Epsilon-Near-Zero tunnel in SIW technology". IEEE International Microwave Theory and Techniques-Symposium Digest., Anaheim, CA, May 2010.
107. **Alonso Corona-Chavez**, Tatsuo Itoh, "Novel Miniaturized Triplexer Using Substrate Integrated Technology", Asia Pacific Microwave Conference 2010, APMC 2010.
108. Gerard F. Santilla-Quiñones, **Victor Champac Vilela**, Roberto Murphy Arteaga "A Short Channel Silicon-Bases Split-Drain MAGFET Measuring from 90uT", IEEE Latin American Symposium on Circuits and Systems, February 2010.
109. J.C. Vazquez, **V. Champac**, A.M. Ziesemer Jr., R. Reis, I.C. Teixeira, M.B. Santos and J.P. Teixeira, "Delay sensing for parametric variations and defects monitoring in safety-critical applications", IEEE Latin American Symposium on Circuits and Systems, February 2010.
110. J.C. Vazquez, **V. Champac**, A.M. Ziesemer Jr., R. Reis, I.C. Teixeira, M. B. Santos and J.P. Teixeira, "Programmable Aging Sensor for Automotive Safety-Critical Applications, IEEE Design Automation & Test in Europe, March 2010.
111. J.C. Vazquez, **V. Champac**, A.M. Ziesemer Jr., R. Reis, I.C. Teixeira, M. B. Santos and J.P. Teixeira, "Low sensitivity to Process Variations Aging Sensor for Automotive Safety-Critical Applications", IEEE VLSI Test Symposium, pp.238-243, April 2010.
112. Jose L. Garcia-Gervacio and **Victor Champac**, "Computing the Detection of Small Delay Defects Caused by Resistive Opens of Nanometer ICs", IEEE European Test Symposium, pp. 126-131, May 2010.

Memorias Arbitradas

113. J.C. Vazquez, **V. Champac**, A.M. Ziesemer Jr., R. Reis, Jorge Semiao, I.C. Teixeira, M. B. Santos and J.P. Teixeira “Predictive error detection by on-line aging monitoring”, accepted International on Line Test Symposium, June 2010.
114. “Orduña-Díaz, **F.J De La Hidalga-W**, Alfonso Torres-J, M. Rojas-López, R. Delgado-Macuil, V. L. Gayou and Carlos G. Treviño-Palacios, “Low Temperature Operation of a Microbolometer Array for Terahertz Detection”, WOLTE 9, Brazil, June 2010.
115. Abdu Orduña-Díaz, Edgar Castillo-Domínguez, Alfonso Torres-Jacome, **F.J. De la Hidalga-W**, and Carlos Gerardo Treviño-Palacios, “Design and Fabrication of a Bidimensional Bolometer Array for Terahertz Detection” VII Reunión Iberoamericana de Óptica, y X Encuentro Latinoamericano de Óptica, Láseres y Aplicaciones, RIAO-OPTILAS 2010, Perú, 20-24 Sept, 2010.
116. “Design of a CMOS Transducer Interface for an UV Silicon Sensor” **A Díaz-Méndez**, M. Rocha-Pérez, M. Aceves, J. Pedraza, E. Gómez C. Dominguez, A. Merlos and X. Formatje. 2010 IEEE International 53rd Midwest Symposium on Circuits and Systems, p308-311, (2010).
117. Gee, A.P., **Escamilla-Ambrosio, P.J.**, Webb, M., Mayol-Cuevas, W., Calway, A. 2010. “Augmented crime scenes: virtual annotation of physical environments for forensic investigation”, International Workshop on Multimedia in Forensics, Security and Intelligence MiFor 2010, October 25-29, Firenze, Italy.
118. **Escamilla-Ambrosio, P.J.**, Liu, X., Lieven, N.A.J. and Ramírez-Cortés, J.M. (2010). "ANFIS-Wavelet Packet Transform Approach to Structural Health Monitoring", XII Reunión de Otoño de Potencia, Electrónica y Computación, ROPEC'2010 INTERNACIONAL, Manzanillo, Colima, Mexico, November 10-12, 2010
119. **Escamilla-Ambrosio, P.J.**, Liu, X. Lieven, N.A.J., and Ramírez-Cortés, J.M. (2011). “Wavelet-fuzzy logic approach to structural health monitoring”, 30th North American Fuzzy Information Processing Society Annual Conference, NAFIPS 2011, to be held in El Paso, Texas, USA, on March 18-20.
120. “Robust Programmable Frequency Divider for Fractional Synthesizers”, Victor R. Gonzalez-Diaz, **Guillermo Espinosa Flores-Verdad**, Miguel

Memorias Arbitradas

Angel Garcia-Andrade and Franco Maloberti. 13th IEEJ International Analog VLSI Workshop, September 8-10, Pavia Italy, pp.205-209

121. **M. À. Gutiérrez de Anda**, A. Sarmiento Reyes, A. Prieto Guerrero, "A new architecture for a FM modulator based on time-varying eigenvalues", Proceedings of the IEEE Latin American Symposium on Circuits and Systems (LASCAS 2010), February 2010, pp. 272-275.
122. J. Piskorowski, **M.A. Gutiérrez de Anda**, "A new concept of continuous-time narrow bandpass Q-varying filter with transient suppression", Proceedings of the IEEE International Symposium on Circuits and Systems (ISCAS 2010), May 2010, pp. 1272-1275.
123. **E. A. Gutiérrez D.** "Experimental evidence of unconventional Room-Temperature Quantum Hall effect (RTQHE) in 65nm Si nMOSFETs at very low magnetic fields", in proceedings of the ESSDERC'2010 Conference, Sevilla, Spain, Septiembre 14-17 2010. Pp. 178-181.
124. **G. Jovanovic Dolecek** and L. Dolecek, "Novel Multiplierless Wide-Band CIC Compensator," International Conference *IEEE ISCAS 2010*, Paris, May 2010. IEEE Catalog number: 978-1-4244-5309-2/10, (Proc. pp.2119-2122).
125. D. Ernesto Troncoso and **G. Jovanovic Dolecek**, "An efficient technique to design linear-phase decimation filters" *IEEE LASCAS 2010* conference, Brazil, February, 2010. (Proc. pp.256-259)
126. **G. Jovanovic Dolecek** and A. Fernandez Vazquez, "Stepped Triangular CIC Decimation Filter for SDR Applications", *IEEE LASCAS 2010* conference, Brazil, February, 2010. (Proc. pp.156-159)
127. **G. Jovanovic Dolecek** and M. Laddomada, "Comb-Cosine Prefilter Based Decimation Filter," *IEEE-ICIT 2010* Conference, Chile, March, 2010, (**Proc. pp167-172**) **IEEE Catalog Number: CFP10CIT-USB, ISBN:978-1-4244-5697-0 Library of Congress: 2009911423**
128. **G. Jovanovic Dolecek**, "Low Power Sharpened Comb Decimation Filter" (Invited paper), IEEE Conference ICGCS 2010, Shangai, China, June 2010.
129. **G. Jovanovic Dolecek**, "Simplified Rotated SINC (RS) Filter for Sigma-Delta A/D Conversion", (Invited paper), IEEE Conference ICGCS 2010, Shangai, China, June 2010. (Proc published by IEEE 2010, IEEE Catalog Number: CFP1072J-USB, ISBN: 978-1-4244-6877-5, pp.283-288).

Memorias Arbitradas

130. D. Troncoso, B. Noel, **G. Jovanovic Dolecek**, "Filtros FIR de Fase Lineal de Ancho de Banda de Baja Complejidad: Método de Diseño Eficiente :Part I", International Simposium ISIT 2010, (Simposio Internacional de Innovación y Tecnología ISIT2010) Real Hotel ICA, Perú. Con estudiante doctoral.
131. G. Ramirez-Conejo, J. Diaz-Carmona, J. Delgado –Frias, **G. Jovanovic Dolecek**, "Adjustable Fractional; Delay FIR Filters Design Using Multirate and Frequency Optimization Technique, "International IEEE Symposium CONCAPAN 2010, Costa Rica, Noviembre 2010, Proc .pp.1-5.
132. **G. Jovanovic Dolecek**, "Demo program for Frequency Sampling Method," The 40th Annual Frontiers in Education (FIE) Conference, October 27–30, 2010, Marriott Crystal Gateway, Arlington, Virginia.Proc. pp.1-4.
133. **Gordana Jovanovic Dolecek**, "Comb-Based Decimator for SDR Applications", Third International IEEE Conference on Communications and Electronics (ICCE 2010), Nha trang, Vietnam. (Proc published by IEEE 2010, IEEE Catalog Number: CFP1016B-CDR , ISBN: 978-1-4244-7057-0, pp. III.21.1-III.21.4)
134. **Gordana Jovanovic Dolecek**, Javier Diaz Carmona, "Generalized CIC-Cosine Decimation Filter", IEEE Symposium on Industrial Electronics & Applications ISIEA 2010, Penang Beach, Malaysia, October 2010.(Proc published by IEEE 2010, IEEE Catalog Number: CFP1049H-CDR , ISBN: 978-1-4244-7646-6, pp. 623-628)
135. Eric Mario Silva Cruz, **Gordana Jovanovic Dolecek**, "Design and Simulation of QPSK Reconfigurable Digital Receiver", 53rd IEEE Int'l Midwest Symposium on Circuits & Systems, Seattle, Washington from August 1-4, 2010, (Proc published by IEEE 2010, IEEE Catalog Number: CFP10MID-CDR , ISBN: 978-1-4244-777-2, pp. 656-659).
136. Alfonso Fernandez Vazquez, **Gordana Jovanovic Dolecek**, "Passband and Stopband CIC Improvement Based on Efficient IIR Filter Structure", 53rd IEEE Int'l Midwest Symposium on Circuits & Systems, Seattle, Washington from August 1-4, 2010. (Proc published by IEEE 2010, IEEE Catalog Number: CFP10MID-CDR , ISBN: 978-1-4244-777-2, pp. 765-768).
137. M. Guadalupe Cruz Jimenez, David Ernesto Troncozo Romero, **Gordana Jovanovic Dolecek**, "On Design of a multiplierless Very Sharp Hilbert

Memorias Arbitradas

- Transformer by Using Identical subfilters”, Accepted for 53rd IEEE Int'l Midwest Symposium on Circuits & Systems, Seattle, Washington from August 1-4, 2010. (Proc published by IEEE 2010, IEEE Catalog Number: CFP10MID-CDR , ISBN: 978-1-4244-777-2, pp. 757-760).
- 138. Gordana Jovanovic Dolecek**, Vlatko Dolecek, “Novel sharpened compensated comb decimator“, 14th International Research/Expert Conference Trends in the Development of machinery and associated technology”, TMT2010, MSC Mediterranean Cruise, September 2010. (Proc. ISSN 1840-4944, pp. 409-412.)
- 139. Gordana Jovanovic Dolecek**, Vlatko Dolecek, Isak Karabegovic, “Simple method for lowpass narrowband FIR filter design“, 14th International Research/Expert Conference Trends in the Development of machinery and associated technology”, TMT2010, MSC Mediterranean Cruise, September 2010. (Proc. ISSN 1840-4944, pp.405-408.)
- 140. G. Jovanovic Dolecek**, “Low Power Sharpened Comb Decimation Filter” (Invited paper), IEEE Conference ICGCS 2010, Shanghai, China, June 2010. (Proc published by IEEE 2010, IEEE Catalog Number: CFP1072J-USB , ISBN: 978-1-4244-6877-5, pp.226-229).
- 141. A. Kosarev**, F.Avila. “Sub-gap photoconductivity in Germanium-Silicon films deposited by low frequency plasma”, Mater.Res. Soc.Symp.Spring Meeting, San Francisco, April 2010, USA, F.Avila estudiante de doctorado.
- 142. A.Kosarev**. “Nano-structured $\text{Ge}_y\text{Si}_{1-y}:\text{H}$ films deposited by low frequency plasma for device application”, 7th Int. Conference “Amorphous and Microcrystalline Semiconductors”, Saint Petersburg, 28.06-02.2010, Russia.
- 143. K.Aleman**, S.Mansurova, **A.Kosarev**. P.Rodriguez, K.Meerholz, S.Koeber. “Sensitizer effects on the transport properties of Polymer:Sensitizer Organic blend”, Mater. Res. Proc., v.1270, 1109-19 (6p.)
- 144.** “Hybrid Adders for High-Speed Arithmetic Circuits: A Comparison”, **Mónico Linares Aranda**, Ramón Báez, Oscar González Diaz. 7th International Conference on Electrical Engineering, Computing Science and Automatic Control. Pp. 546-549. September 2010.
- 145. O. Malik**, F.J. De la Hidalga-W, “Light-Controlled Transducer with pulse Width Modulation Output base on Non-Equilibrium Metal Oxide Semiconductor Capacitors”, 2010 7th International Conference on Electrical

Memorias Arbitradas

Engineering, Computing Science and Automatic Control (CCE 2010), Tuxtla Gutiérrez, Chiapas, México, September 8-10, 2010, 6 paginas de 531-536.

- 146. O. Malik**, F.J. De la Hidalga-W, “Semiconductor Light-Controlled Instrument Transducer with Direct PMW Output for Automatic Control Systems”, 1-st International Congress on Instrumentation and Applied Sciences (ICIAS 2010), Cancun, México, October 26-29, 2010, 9 págs. de 1-9.
- 147. J. Molina**, E. Gutierrez, A. Jacome, W. Calleja, F.J. De La Hidalga, P. Rosales, C. Zuñiga, R. Torres and H. Iwai, “Progressive-Degradation and Breakdown of W-La₂O₃ MOS Structures after Constant Voltage Stress”, Electron Devices and Solid-State Circuits, 2009. EDSSC 2009. IEEE International Conference of, pp. 465-468. Enero, 2010.
- 148. Mario Moreno**, Alfonso Torres, Roberto Ambrosio, Alfonso Torres-Rios, Rurik Farias, Carlos Zuñiga, Pedro Rosales, Aurelio Heredia, “Electrical and optical characterization of polymorphous silicon films deposited by plasma”, in proceedings of the 1st International Congress on Instrumentation and Applied Science ICIAS, Cancún, México, October 26-29, 2010. ISBN: 978-607-02-0840-9.
- 149. M. Moreno**, A. Torres, A. Kosarev. “Uncooled microbolometers with Ge_xSi_{1-x} thermo-sensing layer deposited by plasma with different device configurations”, Proc. of SPIE, v. 7660, p. 14-1-14-14-12, v.518, 3310-3312 (2010).
- 150.** “Smart Antenna using MTM-MEMS”, G. Rosas, **R. Murphy**, W. Moreno, 2010 IEEE Wireless and Microwave Technology Conference, Melbourne, Florida, USA., abril 12-13 2010, pp. 1-5.
- 151.** “Equivalent Rectangular Active Region and SPICE Macro Model for Split Drain MAGFETs”, G. Santillán, **R. Murphy**, V. Champac, Electro Chemical Society Transactions, Vol. 31, No. 1, septiembre 2010, pp. 393-400.
- 152. Juan Manuel Ramírez-Cortes**, Vicente Alarcon-Aquino, Gerardo Rosas-Cholula, Pilar Gomez-Gil, Jorge Escamilla-Ambrosio, “P-300 rhythm detection using ANFIS algorithm and wavelet feature extraction in EEG signals”, International Conference on Signal Processing and Imaging Engineering 2010, World Congress of Engineering and Computer Science 2010, San Francisco, CA, USA, October, 2010.

Memorias Arbitradas

153. R. Gonzalez, V. Alarcon-Aquino, R. Rosas-Romero, O. Starostenko, J. Rodriguez-Asomoza, **J. M. Ramirez-Cortes**, "Wavelet-based smoke detection in outdoor video sequences", 53 IEEE International Midwest Symposium on Circuits and Systems, Conference Proceedings, pp. 383-387, Seattle, Washington, August 1-4, 2010.
154. Francisco Gonzalez Horta, Rogerio Enríquez Caldera, **Juan Manuel Ramírez Cortés**, Jorge Martinez Carballido, "Towards a cognitive handoff for the future Internet: Model-driven methodology and taxonomy of scenarios", The Second International Conference on Advanced Cognitive Technologies and Applications COGNITIVE 2010, pp. 11-19, Portugal, 2010.
155. Francisco Gonzalez Horta, Rogerio Enríquez Caldera, **Juan Manuel Ramírez Cortés**, Jorge Martinez Carballido, Eldamira Buenfil-Alpuche, "Towards a cognitive handoff for the future Internet: A Holistic vision", The Second International Conference on Advanced Cognitive Technologies and Applications COGNITIVE 2010, pp. 44-51, Portugal, 2010.
156. "Glass-based device for microfluidic applications" **C. Reyes-Betanzo**, B. H. Lapidco-Encinas, A. Itzmoyotl-Toxqui, and J. M. Álvarez-Ledezma, Revista: Proceedings of the 7th Ibero-American Congress on Sensor, November 2010.
157. F. Quiñones, D. Diaz, A. Torres, J. Molina, J. Hidalgo, C. Zuñiga, **P. Rosales**, C. Reyes, A. Sarmiento, L. Hernández, M. Escobar, N. Carlos, I. Juarez y W. Calleja. "Micromaquinado Superficial con Polisilicio plicación en Microestructuras Joule" IBERCHIP 2010 Iguazú Falls, Brazil, february 23-25, 2010.
158. M. Domínguez-Jiménez, **P. Rosales-Quintero**, A. Torres-Jácome, J. Molina-Reyes, M. Moreno-Moreno, F. J. De la Hidalgo-Wade, C. Zúñiga-Islas, W. Calleja-Arriaga, "Spin-On Glass as low temperature gate insulator for thinfilm transistors", in proceedings of Electronics, Robotics, and Automotive Mechanics Conference IEEE CERMA 2010, Cuernavaca, México, september 28th - October 1st, 2010.
159. D. Moro-Frias, **M.T. Sanz-Pascual**, C.A. De la Cruz-Blas, "Linear-in-dB Variable Gain Amplifier with PWL exponential gain control", Proc. of the 2010 IEEE International Symposium on Circuits and Systems (ISCAS'10), pp. 2824-2827, 2010.

Memorias Arbitradas

- 160.** D. Moro-Frias, **M.T. Sanz-Pascual**, C.A. De la Cruz-Blas, A. Sarmiento-Reyes, “VGA lineales en dB con corriente de control exponencial PWL”, Proc. of the XVI Workshop Iberchip, 2010.
- 161.** A. Bayo, N. Medrano, B. Calvo, S. Celma, **M.T. Sanz**, A. Sarmiento, “A Mixed-Signal Interface for Low-Cost Sensors in Battery-Operated Multisensor Systems”, Proc. of the XVI Workshop Iberchip, 2010.
- 162.** **A. Sarmiento-Reyes**, M.A. Gutiérrez de Anda, L. Hernández-Martínez, M.T. Sanz, H.Y. González-Ramos, “Local biasing of negative feedback amplifiers via a graph-theory approach”, Proc. of the XVI Workshop Iberchip, 2010.
- 163. Arturo Sarmiento Reyes**, Francisco Javier Castro, Luis Hernández-Martínez and Miguel Ángel Gutiérrez, “Piecewise Linear-based Hybrid Simulation of MOS and Single-Electron Transistor Circuits”, IEEE Latin American Symposium on Circuits and Systems (LASCAS) 2010, Iguassu, Brazil, March 2010.
- 164.** A. Sallem, I. Guerra-Gómez, M. Fakhfakh, M. Loulou, **E. Tlelo-Cuautle**, Simulation-Based Optimization of CCLs’ Performances in Weak Inversion, IEEE International Conference on Electronics, Circuits, and Systems (ICECS), pp. 661-664, Athens, Greece, December 12-15, 2010. ESTUDIANTE DE DOCTORADO Ivick Guerra-Gómez
- 165.** E. Martínez-Romero, **E. Tlelo-Cuautle**, C. Sánchez-López, S. X.-D. Tan, “Symbolic Noise Analysis of Low Voltage Amplifiers by Using Nullors”, International Workshop on Symbolic and Numerical Methods, modeling and Applications to Circuit Design (SM2ACD), Tunisia, October 5-6, 2010.
- 166.** Jacob Relles, Muhua Ngan, **E. Tlelo-Cuautle**, Sheldon X.-D. Tan, Chao Hu, Wenjian Yu, Yici Cai, “Statistical extraction and modeling of 3D inductance with spatial correlation, International Workshop on Symbolic and Numerical Methods, modeling and Applications to Circuit Design” (SM2ACD), Tunisia, October 5-6, 2010.
- 167.** I. Guerra-Gómez, **E. Tlelo-Cuautle**, Trent McConaghy, Luis G. de la Fraga, Georges Gielen, G. Reyes-Salgado, J.M. Muñoz-Pacheco, “Sizing

Memorias Arbitradas

mixed-mode circuits by multi-objective evolutionary algorithms”, IEEE MWSCAS, pp. 813-816, Seattle, USA, August 1-5, 2010.

- 168.** J.M. Muñoz-Pacheco, **E. Tlelo-Cuautle**, R. Trejo-Guerra, C. Sánchez-López, “Chaos-Based Communication Systems by Applying Hamiltonian Synchronization”, IEEE MWSCAS, pp. 343-346, Seattle, USA, August 1-5, 2010.
- 169.** A. Orduña-Díaz, F. J. De la Hidalga-W, **A. Torres-J**, M. Rojas-López, R. Delgado-Macuil, V. L. Gayou, I. Juárez and C. G. Treviño.; “Low Temperature Operation of a Microbolometer Array for Terahertz Detection”, Proceedings of the Ninth International Workshop on Low temperature Electronics, June 21-23 Guajará, Brazil, pp. 85-88.
- 170.** Oscar Gonzalez-Diaz, **R. Torres-Torres**, and M. Linares-Aranda, “S-Parameter Measurement-Based Modeling Methodology for On-Chip Interconnects used in High Frequency Systems,” *36th European Solid-State Circuits Conference (ESSCIRC)*, septiembre, 2010.
- 171.** G. Aguayo-Rodríguez, **I. E. Zaldívar-Huerta**, J. Rodríguez-Asomoza, A. García-Juárez, P. Alonso-Rubio, “Modeling and Performance Analysis of an all-optical Photonic Microwave Filter in the Frequency Range of 0.01-15 GHz”, SPIE Photonics West, January 23-28 2010, San Francisco, California, USA. Proceedings of SPIE Volume: 7620, ISBN: 9780819480163. **G. Aguayo Rodríguez y P. Alonso Rubio.**
- 172.** García-Juárez, **I. E. Zaldívar-Huerta**, G. Aguayo-Rodríguez, J. Rodríguez-Asomoza, R. Gómez-Colín, A. Vera-Marquina, M. C. Acosta-Enriquez, A. Rojas-Hernández, “Optical heterodyne technique for generating and distributing microwave signals”, SPIE Photonics West, January 23-28 2010, San Francisco, California, USA. Proceedings of SPIE Volume: 7620, ISBN: 9780819480163. **G. Aguayo Rodríguez**
- 173.** W. W. Hernández Montero, **I. E. Zaldívar Huerta**, C. Zuñiga Islas, A. Torres Jacome, A. Itzmoyotl Toxqui, “Design of Optical Waveguides Using Hydrogenated Amorphous Silicon Germanium and Hydrogenated Amorphous Silicon Nitride Films”, Proceedings of the 7th International Conference on Optics-photonics Design & Fabrication, pp. 463-464, Yokohama, Japan, April 2010. Technical Digest ISBN: 978-4-86348-068-1. * **W. W. Hernández Montero**

Memorias Arbitradas

174. G. Aguayo-Rodríguez, **I. E. Zaldívar-Huerta**, A. García-Juárez, J. Rodríguez-Asomoza, L. Larger, N. Courjal, "Microwave photonic filter tuning by varying the optical link length", Proceedings of the 53rd IEEE International Midwest Symposium on Circuits and Systems (MWSCAS), pp. 457-460, Seattle, Washington, USA from 1st to 4th August 2010.
175. W. W. Hernández Montero, **I. E. Zaldívar Huerta**, C. Zuñiga Islas, A. Torres Jacome, A. Itzmoyotl Toxqui, "Design, fabrication and characterization of optical waveguides using combination of hydrogenated amorphous silicon germanium and hydrogenated amorphous silicon nitride films", 7th Iberoamerican Meeting on Optics and 10th Latin American Meeting on Optics, Lasers, and their Applications, Abstract book pp. 534-536, ISBN 978-612-4057-21-2, Lima, Perú, 20-24 September 2010.
176. G. Aguayo-Rodríguez, **I. E. Zaldívar-Huerta**, A. García-Juárez, J. Rodríguez-Asomoza, L. Larger, N. Courjal, "Photonic Filtering of microwave signals in the frequency range of 0.01-20 GHz using a Fabry-Perot Filter", 7th Iberoamerican Meeting on Optics and 10th Latin American Meeting on Optics, Lasers, and their Applications, Abstract book pp. 346-348, ISBN 978-612-4057-21-2, Lima, Perú, 20-24 September 2010.
177. A. García-Juárez, **I. E. Zaldívar-Huerta**, G. Aguayo-Rodríguez, J. Rodríguez-Asomoza, R. Gómez-Colín, M. C. Acosta-Enriquez, A. Rojas-Hernández, "Coherent demodulation of microwave signals by using optical heterodyne technique with applications to point to point indoor wireless communications systems", 7th Iberoamerican Meeting on Optics and 10th Latin American Meeting on Optics, Lasers, and their Applications, Abstract book pp. 343-345, ISBN 978-612-4057-21-2, Lima, Perú, 20-24 September 2010.
178. Gustavo Aguayo-Rodríguez, **Ignacio E. Zaldívar-Huerta**, Laurent Larger, Nadège Courjal, Jorge Rodríguez-Asomoza, Alejandro García-Juárez "Filtrage et Accordabilité des Signaux Microondes dans la Gamme de Frequences 0,01-20 GHz par des Techniques Electro-Optiques", 29th Journées Nationales d'Optique Guidée, Besançon, France, 20-22 October 2010.
179. "Fabrication of PolySilicon Microstructures using the PolyMEMS INAOE Technology", D. Díaz-Alonso, F.J. Quiñones-Novelo, **C. Zuñiga-Islas**, J. Molina, J. Hidalgo, M. Linares, P. Rosales, A. Torres-Jacome, C. Reyes, W. Calleja. The 13th World Congress in Mechanism and Machine Science June 19 -25, Guanajuato, MÉXICO. Enviado.

Memorias Arbitradas

- 180.** Clara Iliana Martínez Gómez, Luis Abraham Sánchez Gaspariano and **Alejandro Díaz Sánchez**, “Síntesis de un Filtro Polifásico programable en Tiempo Continuo,” International Congress of Technological Innovation CINIT2010, 1 al 3 de Diciembre del 2010, Puebla, Puebla.
- 181.** Abraham Tome Gomez, Luis Abraham Sanchez Gaspariano and **Alejandro Diaz Sanchez**, “Sintesis de un filtro bicuadratico gm-C con Q enriquecida mediante el uso de SFGs,” International Congress of Technological Innovation CINIT2010, 1 al 3 de Diciembre del 2010, Puebla, Puebla.
- 182.** Salvador Antonio Arroyo Diaz, **Alejandro Diaz Sanchez** and Apolo Escudero Uribe, “Architecture for myoelectric features extraction by H.O.S. of four sMES channels,” International Congress of Technological Innovation CINIT2010, 1 al 3 de Diciembre del 2010, Puebla, Puebla.
- 183.** Salvador Antonio Arroyo Diaz, **Alejandro Diaz Sanchez**, Luis Abraham Sanchez Gaspariano, Apolo Z. Escudero, “4 channel signal based FPGA architecture for myoelectric features,” Proceedings of the IEEE Circuit and Systems for Medical and Enviromental Applications Workshop, Merida, Yucatán, México, December 13-15, 2010.
- 184.** Ricardo Astro, Hector Gomez, Jhoan Salinas and **Alejandro Diaz-Sanchez**, “Pulse Width Amplitude Modulation Based CMOS Multiplier,” 2010 IEEE Electronics, Robotics and Automotive Mechanics Conference, 28 de Septiembre al 1 de Octubre del 2010, Cuernavaca, Morelos.
- 185.** Juan Mateus and **Alejandro Díaz-Sánchez**, “A Novel 900 MHz I x V CMOS Multiplier,” 2010 IEEE Electronics, Robotics and Automotive Mechanics Conference, 28 de Septiembre al 1 de Octubre del 2010, Cuernavaca, Morelos.
- 186.** “Transmission line characterization for high frequency synchronization systems design”, O. Gonzalez-Diaz, **M. Linares-Aranda**, R. Torres-Torres. 20th Conference on Electronics, Communications and Computers. February, 2010, CONIELECOMP.
- 187.** “High-Performance Voltage Controlled Oscillators for Local Clock Networks”, Oscar Gonzalez-Diaz, **Mónico Linares-Aranda**. Semana Nacional de Ingeniería Electrónica. Octubre 2010. Pp. Huajuapán de León, Oaxaca.

Memorias Arbitradas

- 188. Juan Manuel Ramirez-Cortes**, Emmanuel Morales Flores(*), Jorge Martínez, Rogerio Enríquez, Vicente Alarcón, David Báez, “An FPGA architecture for linear and morphological image filtering”, 20th International Conference on Electronics, Communications, and Computers, Conference Proceedings, pp. 90-95, Puebla, Mexico, February 22-24, **2010**. CONIELECOMP.
- 189.** Jorge Martinez-Carballido, Carlos Garcia-Lucero(*), **Juan Manuel Ramirez-Cortes**, Rogerio Enriquez-Caldera, “FPGA based system prototype for face location and recording of people getting on a public transport bus”, 20th International Conference on Electronics, Communications, and Computers, Conference Proceedings, pp. 164-168, Puebla, Mexico, February 22-24, **2010**. CONIELECOMP.
- 190.** Morales-Flores, E., **Ramírez-Cortez, J. M.**, and Escamilla-Ambrosio P. J. (2010), fMRI activated-voxel detection based on ICA decomposition and wavelet analysis, XII Reunión de Otoño de Potencia, Electrónica y Computación, Internacional ROPEC'2010, Manzanillo, Colima, Mexico, November 10-12.
- 191.** Gerardo Rosas-Cholula, **Juan Manuel Ramirez-Cortes**, Vicente Alarcon-Aquino Jorge Martínez Carballido, and Pilar Gómez Gil, “On Signal P-300 Detection for BCI Applications Bases on Wavelet Analysis and ICA Preprocessing” IEEE CERMA 2010, Cuernavaca Morelos, September, 2010
- 192.** Jorge Martinez-Carballido, Carolina Rosas-Huerta, and **Juan Manuel Ramirez Cortés**, “Metamyelocyte Nucleus Classification Using a Set of Morphologic Templates”, IEEE CERMA 2010, Cuernavaca, Morelos, September, 2010.
- 193.** J. C. Galan-Hernandez, V. Alarcon-Aquino, O. Starostenko, and **J.M. Ramirez-Cortes**, “Wavelet-Based Foveated Compression Algorithm for Real Time Video Processing, IEEE, CERMA 2010, Cuernavaca Morelos, September, 2010
- 194.** P. J. Escamilla-Ambrosio, X. Liu, N. A. J. Lieven and **J. M. Ramírez-Cortés**, “ANFIS-Wavelet Packet Transform Approach to Structural Health Monitoring”, 12o. Reunión de Otoño de Potencia, Electrónica y Computación IEEE ROPEC 2010.

Memorias Arbitradas

195. R. Trejo-Guerra, **E. Tlelo-Cuautle**, M. Jiménez-Fuentes, C. Sánchez-López, Multiscroll Oscillator based on Floating Gate CMOS Inverter, IEEE CCE, pp. 541-545, México, September 8-10, 2010.
196. I. Guerra-Gómez, **E. Tlelo-Cuautle**, Luis G. de la Fraga, Sensitivity Analysis in the Optimal Sizing of Analog Circuits by Evolutionary Algorithms, IEEE CCE, pp. 381-385, México, September 8-10, 2010.
197. **E. Tlelo-Cuautle**, E. Martínez-Romero, C. Sánchez-López, S. X.-D. Tan, Symbolic Behavioral Modeling of Low Voltage Amplifiers, IEEE CCE, pp. 510-514, México, September 8-10, 2010.
198. G. Aguayo-Rodríguez, **I. Zaldívar-Huerta**, J. Rodríguez-Asomoza, A. García-Juárez, L. Larger and N. Courjal, "Experimental Filtering of Microwave Signals Using a Multimode Laser Source and Chromatic Dispersion in the frequency range of 0-20 GHz", Proceedings of the 7th International Conference on Electrical and Electronics Engineering Research 2010 (CIIIEEE 2010), November 10-12, Aguascalientes, Ags. México, pp. 64-69, ISBN:978-607-95060-3-2

Ciencias Computacionales

199. "Segmentation of Bone Marrow Cell Images for Morphologic Classification of Acute Leukemia" **Carolina Reta, Leopoldo Altamirano, Jesús A. González, Raquel Diaz, Jose S. Guichard**. 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp. 86-91.
200. "Classifying Using Specific Rules with High Confidence", **R. Hernandez-Leon, J.A. Carrasco-Ochoa, J. Fco. Martinez-Trinidad**, J. Hernandez-Palancar, Ninth Mexican International Conference on Artificial Intelligence, IEEE, pp. 75-80, November 2010.
201. "Hybrid Feature Selection Method for Supervised Classification Based on Laplacian Score Ranking", **Saúl Solorio-Fernández, J. Ariel Carrasco-Ochoa and José Fco. Martínez-Trinidad**, Lecture Notes in Computer Science, Volume 6256, Advances in Pattern Recognition, pp. 260-269, 2010. September 2010.

Memorias Arbitradas

202. “Multivariate Decision Trees using Different Splitting Attribute Subsets for Large Datasets”. **Anilu Franco-Arcega, J. Ariel Carrasco-Ochoa, G. Sánchez-Díaz, and José Fco. Martínez-Trinidad**. In Proc. of 23th Canadian Conference on Artificial Intelligence 2010, Ottawa, Ontario, Canada. Published in Lecture Notes in Artificial Intelligence series, 6085, Springer-Verlag, pp. 370-373, May-June 2010.
203. “On the Design of a Hardware-Software Architecture for acceleration of SVM’s training Phase”, **Lazaro Bustio-Martinez, René Cumplido, Claudia Feregrino-Uribe** and José Hernández-Palancar. 2nd Mexican Conference on Pattern Recognition, MCPR 2010. Advances in Pattern Recognition. LNCS Springer Verlag. Vol. 6256, pp. 281-290, ISBN: 0302-9743, Sept 2010.
204. “Towards a reconfigurable hardware architecture for implementing a LDPC module suitable for software radio systems”, **Rene Cumplido, Juan Campos, Claudia Feregrino-Uribe, Roberto Perez**. Dagstuhl Seminar Proceedings 10281, Dynamically Reconfigurable Architectures, Edited by P. M. Athanas, J. Becker, J. Teich, I. Verbauwhede, ISSN 1862 - 4405. July 2010.
205. “A Highly Parallel Algorithm for Frequent Itemset Mining”, **Alejandro Mesa, Claudia Feregrino-Uribe, René Cumplido** and José Hernández-Palancar. 2nd Mexican Conference on Pattern Recognition, MCPR 2010. Advances in Pattern Recognition. LNCS Springer Verlag. Vol. 6256, pp. 291-300, ISBN: 0302-9743, Sept 2010.
206. “Towards the Construction of a Benchmark for Video Watermarking Systems: Temporal Desynchronization Attacks”, Pedro A. Hernandez-Avalos, Claudia Feregrino-Uribe, Rene Cumplido and Jose Juan Garcia-Hernandez. 53rd IEEE International Midwest Symposium on Circuits and Systems, MWSCAS '10. pp:-628 – 631, ISSN: 1548-3746 , Print ISBN: 978-1-4244-7771-5, DOI: 10.1109/MWSCAS.2010.5548906, Aug. 2010. IEEE Press.
207. “Unconstrained Handwritten Word Recognition Using a combination of Neural Networks.” **Luna-Pérez, R, Gómez-Gil, P**. Lecture Notes in Engineering and Computer Science - Proceedings of the 2010 Word Congress on Engineering and Computer Science (WCECS 2010) – International Conference on Soft Computing and

Memorias Arbitradas

- Applications (ICSCA 10), San Francisco, USA. 20-22 October, 2010. Vol. 1, pp. 525 - 528. Eds. Ao SI, Douglas C, Grundfest WS, Burgstone J. International Association of Engineers. ISBN: 978-988-17012-0-6. ISSN: 2078-0958 (print) ISSN: 2078-0966 (online).
- 208.** “On signal P-300 detection for BCI applications base don wavelet analysis and ICA preprocessing.” Rosas-Cholula, G, Ramírez-Cortés, JM, Alarcón-Aquino, V, Martínez-Carballido, J. **Gómez-Gil, P.** Proceedings of 2010 IEEE Electronics, Robotics and Automotive Mechanics Conference (CERMA 2010). Cuernavaca Morelos, México. pp. 360- 365. September 2010. DOI:10.1109/CERMA.2010.48
- 209.** “Time Series Forecasting using Recurrent Neural Networks and Wavelet Reconstructed Signals”. **García-Pedrero A. and P. Gómez-Gil.** Electronics, Communications and Computer (CONIELECOMP), 2010 20th International Conference on, vol., no., pp.169-173,22-24Feb.2010. doi:10.1109/CONIELECOMP.2010.5440775.
- 210.** “Redes Neuronales Auto-organizables y Recurrentes para reconocimiento temporal: el caso de palabras manuscritas”. **Luna-Pérez, R y Gómez-Gil P.** Memorias técnicas del 11º. Encuentro de Investigación. Instituto Nacional de Astrofísica, Óptica y Electrónica. Tonantzintla, Puebla. 4 y 5 de Noviembre 2010.
- 211.** “On line signature verification based on modified dynamic time warping and wavelet sub-band coding.” Sánchez-Díaz JC, Ramírez-Cortés JM, Enriquez-Caldera R, **Gómez-Gil P.** Advances in Pattern Recognition. Eds. Carrasco-Ochoa JA. Martínez-Trinidad, JF and Kittler, J. Lecture Notes in Computer Science 6256, pp. 210-219. Second Mexican Conference on Pattern Recognition, MCPR 2010. September 27-29, 2010.
- 212.** “A Soft Computing Approach for Obtaining Transition Regions in Satellite Images”, **Jorge Morales, Jesus A. Gonzalez, Carlos A. Reyes and Leopoldo Altamirano,** to be published in the proceedings of 2010 International Conference on Intelligent Computing (ICIC 2010), in LNAI 6216, published by Springer, Berlin, 2010, pp. 150-157, ISBN 978-3-642-14932-0_3, ISSN: 0302-9743
- 213.** “Structured Motifs Identification in DNA Sequences”. Yuridia P. Mejía, Ivan Olmos, **Jesús A. González.** 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23),

Memorias Arbitradas

May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp. 44-49.

214. “Subgraph Isomorphism Detection with Support for Continuous Labels” Gerardo Perez, Ivan Olmos, **Jesús A. González**. 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp.56-61
215. “A Supervised Method for Microcalcifications Detection Using Breast Density”. **Gabriela A. Rodriguez, Jesús A. González, Leopoldo Altamirano**, Jose S. Guichard, Raquel Diaz. 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp. 92-97.
216. “Handling of Numeric Ranges for Graph-Based Knowledge Discovery”. **Oscar E. Romero A., Jesús A. González**, Lawrence B. Holder. 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp.156-157.
217. “Concept Based Representations as Complement of Bag of Words in Information Retrieval”, **Maya Carrillo** and **Aurelio López-López**, Artificial Intelligence Applications and Innovations, IFIP Advances in Information and Communication Technology, 2010, Volume 339/2010, 154-161. June 14-18, 2010, Morioka, Iwate, Japan.
218. “Concept Based Representations for Ranking in Geographic Information Retrieval”. **Maya Carrillo, Esaú Villatoro, Aurelio López, Manuel Montes y Luis Villaseñor**. 7th International Conference on Natural Language Processing IceTAL-2010, Reykjavik, Iceland, August 2010. Lecture Notes in Computer Science, volume 6233, Springer 2010.
219. “Cascading an Emerging Pattern Based Classifier”, **Milton García-Borroto, José Fco. Martínez-Trinidad and Jesús Ariel Carrasco-Ochoa**, Lecture Notes in Computer Science,

Memorias Arbitradas

Volume 6256, Advances in Pattern Recognition, pp. 240-249, 2010. September 2010.

220. “New Dissimilarity Measures for Ultraviolet Spectra Identification”, Andrés Eduardo Gutiérrez-Rodríguez, Miguel Angel Medina-Pérez, **José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa and Milton García-Borroto**, Lecture Notes in Computer Science, Volume 6256, Advances in Pattern Recognition, pp. 220-229, 2010. September 2010.
221. “Designing RBFNNs Using Prototype Selection”, **Ana Cecilia Tenorio-González, José Fco. Martínez-Trinidad and Jesús Ariel Carrasco-Ochoa**, Lecture Notes in Computer Science, Volume 6256, Advances in Pattern Recognition, pp. 189-198, 2010. September 2010.
222. “A New Emerging Pattern Mining Algorithm and its Application in Supervised Classification”. **Milton García-Borroto, José Fco. Martínez-Trinidad, and Jesús Ariel Carrasco-Ochoa**. In Proc. of 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD2010) Hyderabad, India. Published in Lecture Notes in Artificial Intelligence series, Part I, 6118, Springer-Verlag, pp. 150-157, June 2010.
223. “Using Non Boolean Similarity Functions for Frequent Similar Pattern Mining”. **Ansel Y. Rodríguez González, José Fco. Martínez-Trinidad, Jesús Ariel Carrasco-Ochoa**, and José Ruiz-Shulcloper. In Proc. of 23th Canadian Conference on Artificial Intelligence 2010, Ottawa, Ontario, Canada. Published in Lecture Notes in Artificial Intelligence series, 6085, Springer-Verlag, pp. 374-378, May-June 2010.
224. “Enhancing Text Classification by Information Embedded in the Test Set”. **Gabriela Ramírez-de-la-Rosa, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda**. International Conference on Computational Linguistics and Intelligent Text Processing, CICLing 2010. March 21-27, 2010, Iași, Romania. Lecture Notes in Computer Science 6008, Springer, 2010. Pp. 627-637.
225. “Selecting the N-Top Retrieval Result Lists for an Effective Data Fusion”. **Antonio Juárez-González, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda** and David Pinto-Avenidaño,

Memorias Arbitradas

- Manuel Pérez-Coutiño. International Conference on Computational Linguistics and Intelligent Text Processing, CICLing 2010. March 21-27, 2010, Iași, Romania. Lecture Notes in Computer Science 6008, Springer, 2010
226. “Image Re-ranking based on Relevance Feedback Combining Internal and External Similarities”. **Omar Chávez, Manuel Montes, and L. Enrique Sucar**. 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 2010, Daytona Beach, Florida, USA. ISBN 978-1-57735-447-5 Printed Proceedings (softcover). ISBN 978-1-57735-448-2 CR-ROM Proceedings. Pp. 140-141.
227. “Ensemble Particle Swarm Model Selection” **Hugo Jair Escalante** and **Manuel Montes** and **Enrique Sucar**. Proceedings of the International Joint Conference on Neural Networks 2010, pp. 1814--1821, IEEE, 2010. IJCNN 2010. Barcelona, Spain, July, 2010.
228. “Using Information from the Target Language to Improve Crosslingual Text Classification”. Gabriela Ramírez, **Manuel Montes, Luis Villaseñor**, David Pinto, Tamar Solorio. 7th International Conference on Natural Language Processing IceTAL-2010, Reykjavik, Iceland, August 2010. Lecture Notes in Computer Science, volume 6233, Springer 2010.
229. “Towards Document Plagiarism Detection Based on the Relevance and Fragmentation of the Reused Text”. **Fernando Sánchez-Vega, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda** and Paolo Rosso. 9th Mexican International Conference on Artificial Intelligence MICAI 2010, Pachuca, Mexico, November 2010. Lecture Notes in Artificial Intelligence, Vol. 6438, Springer 2010
230. “An Efficient Strategy for Fast Object Search Considering the Robot’s Perceptual Limitations”. **Javier Cabanillas, Eduardo F. Morales, and Luis Enrique Sucar** (2010). In Proceedings of the Ibero–American Conference on Artificial Intelligence (IBERAMIA-2010), pgs. 552–561. Lecture Notes in Artificial Intelligence (LNAI-6433), Springer-Verlag. A. Kuri-Morales and G.R. Simari (Eds.). 1-5, November, 2010. Bahía Blanca, Argentina
231. “Dynamic Reward Shaping: Training a Robot by Voice”. **Ana C. Tenorio-González, Eduardo F. Morales and Luis Villaseñor-Pineda**. 12th Ibero-American Conference on AI, IBERAMIA

Memorias Arbitradas

- 2010, Bahía Blanca, Argentina, November 2010. Lecture Notes in Computer Science, Volume 6433, pp. 483-492, 2010.
- 232.** Teaching a Robot to Perform Tasks with Voice Commands. **Ana C. Tenorio-González, Eduardo F. Morales and Luis Villaseñor-Pineda**. 9th Mexican International Conference on Artificial Intelligence, MICAI 2010, Pachuca, Mexico, November 2010. Lecture Notes in Computer Science, Volume 6437, pp. 105-116, 2010.
- 233.** “Solving Policy Conflicts in Concurrent Markov Decision Processes”. **Elva Corona-Xelhuantzi, Eduardo F. Morales and L. Enrique Sucar** (2010). In ICAPS-2010 Workshop on Planning and Scheduling Under Uncertainty. Toronto, Ontario, Canada. May 2010. 8p.
- 234.** “Detection of multiple people by a Mobile Robot in Dynamic Indoor Environments”. **José Alberto Méndez-Polanco, Angélica Muñoz-Meléndez and Eduardo F. Morales-Manzanares** (2010). In Proceedings of the Ibero-American Conference on Artificial Intelligence (IBERAMIA-2010), pgs. 522–531. Lecture Notes in Artificial Intelligence (LNAI-6433), Springer-Verlag. A. Kuri-Morales and G.R. Simari (Eds.). 1-5, November, 2010. Bahía Blanca, Argentina
- 235.** “Collective Learning of Concepts using a Robot Team”. **Ana Cristina Palacios-García, Angélica Muñoz-Meléndez, Eduardo Morales** (2010). Proceedings of the 7th International Conference on Informatics in Control, Automation and Robotics, ICINCO 2010, J. Filipe et al. (eds), Vol. 2, pp.79-88, SciTePress. ISBN: 978-989-8425-01-0. June 2010. Funchal, Madeira, Portugal
- 236.** “Towards Ubiquitous Acquisition and Processing of Gait Parameters”. **Irvin Hussein López-Nava, Angélica Muñoz-Meléndez** (2010). Advances in Artificial Intelligence. 9th Mexican International Conference on Artificial Intelligence, MICAI 2010, pp. 410-421. Springer. ISBN 978-3-642-16760-7. November 8-13, 2010, Pachuca, Mexico.
- 237.** “An Asymmetric Mechanism To Synchronize Continuous Media in Mobile Distributed Systems”. **Saul E. Pomares Hernandez, Eduardo López Domínguez, Luis A. Morales**, CERMA 2010, ISBN: 978-0-7695-4204-1. Cuernavaca Morelos, 28 de Septiembre - 1 de Octubre 2010. pp. 231-236.

Memorias Arbitradas

238. “Automatic Identification of Qualitatives Characteristics in Infant Cry”, **María Antonia Ruiz**, Luis Carlos Altamirano, **Carlos Alberto Reyes**, Oscar Herrera Alcántara, in proceedings of IEEE Workshop on Spoken Language Technology (SLT 2010), Berkley, Calif, USA, Dec 2010.
239. “Features Selection for Primitives Estimation on Emotional Speech”. **Humberto Pérez Espinosa, Carlos Alberto Reyes García & Luis Villaseñor Pineda**. 35th International Conference on Acoustics, Speech, and Signal Processing (ICASSP). Dallas, USA. March 2010. Dallas, Texas, U.S.A., pg. 5138-6141. IEEE Catalog Number: CFP10ICA-CDR, ISBN: 978-1-4244-4296-6 ISSN: 1520-6149.
240. “Recognition of Huffman Codewords with a Genetic-Neural Hybrid System”, Eugene C. Ezin, Orion Fausto Reyes-Galaviz and **Carlos A. Reyes-García**, Lecture Notes in Artificial Intelligence LNAI 6438: MICAI 2010-Advances in Soft Computing, edited by in Grigori Sidorov, Arturo Hernández Aguirre, Carlos A. Reyes-García, Published by Springer, Berlin, 2010, pp. 280-289, ISBN 978-3-642-16772-0, ISSN: 0302-9743. November, 2010
241. “Building and Assessing Intelligent Tutoring Systems with an e-Learning 2.0 Authoring System”, M.L. Barrón-Estrada, Ramón Zatarain-Cabada, Rosalío Zatarain-Cabada, Hector Barbosa-León, and **Carlos A. Reyes-García**, in proceedings of IBERAMIA 2010, A. Kuri-Morales and G. Simari (Eds.): LNAI 6433, pp. 1–9, Springer-Verlag, Berlin Heidelberg, 2010, ISBN: 978-3-642-16952-6_52, ISSN: 0302-9743. November, 2010
242. “A Learning Social Network with Recognition of Learning Styles using Neural Networks” Ramón Zatarain-Cabada, M. L. Barrón-Estrada, Viridiana Ponce Angulo, Adán José García, and **Carlos A. Reyes García**, in proceedings of the Mexican Congerence on Pattern Recognition (MCPR2010), titled Advances in Pattern Recognition, LNCS 6256, Edited by Josef Kittler, Jesus Ariel Carrasco-Ochoa, Jose Fco. Martinez-Trinidad, published by Springer, Berlin, 2010, pp.199-209, ISBN 978-3-642-15991-6, ISSN: 0302-9743. September 27-29, 2010.
243. “Third Degree Volterra Kernel for Newborn Cry Estimation”, Gibran Etcheverry, Efrain Lopez-Damian, and

Memorias Arbitradas

- Carlos A. Reyes-García**, in proceedings of the Mexican Congerence on Pattern Recognition (MCPR2010), titled Advances in Pattern Recognition, LNCS 6256, Edited by Josef Kittler, Jesus Ariel Carrasco-Ochoa, Jose Fco. Martinez-Trinidad, published by Springer, Berlin, 2010, pp. 230-239, ISBN 978-3-642-15991-6, ISSN: 0302-9743. September 27-29, 2010.
244. “A Hybrid Learning Compiler Course” M. L. Barrón-Estrada, Ramón Zatarain-Cabada, Rosalío Zatarain-Cabada, and **Carlos A. Reyes García**, in proceedings of the International Conference on Hybrid Learning 2010 (ICHL 2010), LNCS 6248, published by Springer, Berlin, 2010, pp. 229–238, ISBN 978-3-642-14657-2_16, ISSN: 0302-9743. 16-18 August 2010.
245. “A Framework for Creating, Training, and Testing Self-Organizing Maps for Recognizing Learning Styles”, Ramón Zatarain-Cabada, M. L. Barrón-Estrada, Viridiana Ponce Angulo, Adán José García, and **Carlos A. Reyes García**, in proceedings of The 5th International Conference on E-learning and Games (Edutainment2010), in the LNCS 6249, published by Springer, Berlin, 2010, pp. 53–64, ISBN 978-3-642-14533-9_5, ISSN: 0302-9743. August 16-18, 2010.
246. “Identification of Felder-Silverman Learning Styles with a Supervised Neural Network”, Ramón Zatarain-Cabada, M. L. Barrón-Estrada, Viridiana Ponce Angulo, Adán José García, and **Carlos A. Reyes García**, in proceedings of 2010 International Conference on Intelligent Computing (ICIC 2010), in LNAI 6216, published by Springer, Berlin, 2010, pp. 479–486, ISBN 978-3-642-14932-0_3, ISSN: 0302-9743. August 18-21, 2010 in Changsha, China.
247. “Radial Basis Function for Visual Image Retrieval”, Leticia Flores-Pulido, **Gustavo Rodríguez-Gómez**, Oleg Starostenko, Proceedings of 2010 IEEE Electronics, Robotics and Automotive Mechanics Conference, , CERMA 2010, 28 September - 1 October 2010, Cuernavaca Morelos, México, pages 383-387, ISBN-13: 978-0-7695-4204-1.
248. “A UML 2.0 Profile to Model Block Cipher Algorithms”. **Tomás Balderas-Contreras**, **Gustavo Rodriguez-Gomez y René Cumplido**. Modelling Foundations and Applications, 6th European Conference, ECMFA 2010, Paris, France, June 15-18, 2010. Proceedings. ISSN: 0302-9743 (Print) 1611-3349 (Online). Volume 6138/2010. Pp 20-31.

Memorias Arbitradas

249. “A Visual Grammar for Face Detection”. **Augusto Meléndez, Luis Enrique Sucar and Eduardo F. Morales** (2010). In Proceedings of the Ibero–American Conference on Artificial Intelligence (IBERAMIA-2010), pgs. 493–502. Lecture Notes in Artificial Intelligence (LNAI-6433), Springer-Verlag. A. Kuri-Morales and G.R. Simari (Eds.). 1-5, November, 2010
250. “Automatic Image Annotation using Multiple Grid Segmentation”. **Gerardo Arellano, Luis Enrique Sucar, Eduardo F. Morales** (2010). In Proceedings of the Mexican International Conference on Artificial Intelligence (MICAI-2010), pgs. 278–289. Lecture Notes in Artificial Intelligence (LNAI-6437), Springer-Verlag. G. Sidorov, A. Hernández, C.A. Reyes (Eds.). November 8-13, 2010, Pachuca, Mexico.
251. “Evaluating an Affective Student Model for Intelligent Learning Environments”. Yasmín Hernández, **Luis Enrique Sucar**, and Gustavo Arroyo-Figueroa. LNAI 6433. Advances in Artificial Intelligence – IBERAMIA 2010 Angel Kuri-Morales and Guillermo R. Simari (Eds.):. 12th Ibero-American Conference on AI, Bahía Blanca, Argentina, November 1-5, 2010. Proceedings, pp. 473 482.
252. “Object Tracking Based on Covariance Descriptors and On-Line Naive Bayes Nearest Neighbor Classifier”. Cargill, P.C.; Quiroz, D.M.; **Sucar, L.E.**; (PSIVT), 2010 Fourth Pacific-Rim Symposium on Image and Video Technology, Singapore, Singapore 14-17 Nov. 2010. pp. 139 – 144. Print ISBN: 978-1-4244-8890-2. Date of Current Version: 23 diciembre 2010
253. “Gesture Therapy: A Vision–Based System for Upper Extremity Stroke Rehabilitation”. **L. Enrique Sucar**, Roger Luis, Ron Leder, Jorge Hernandez and Israel Sanchez. 32nd Annual International Conference of the IEEE EMBS Buenos Aires, Argentina, August 31 - September 4, 2010. pp. 3690-3693.
254. “Object Class Recognition using SIFT and Bayesian Networks” **Leonardo Chang, M.iriám Monica Duarte, Luis Enrique Sucar and Eduardo F. Morales** (2010). In Proceedings of the Mexican International Conference on Artificial Intelligence (MICAI-2010), pgs. 56–66. Lecture Notes in Artificial Intelligence (LNAI-6437), Springer-Verlag. G. Sidorov, A. Hernández, C.A. Reyes (Eds.). November 8-13, 2010, Pachuca, Mexico



Memorias Arbitradas

255. “Data Fusion and Label Weighting for Image Retrieval based on Spatio-Conceptual Information”. **Carlos Hernández-Gracidas, Antonio Juárez-González, L. Enrique Sucar, Manuel Montes-y-Gómez, Luis Villaseñor-Pineda**. 9th international conference on Adaptivity, Personalization and Fusion of Heterogeneous Information, RIAO-2010. 28-30 April, 2010 - Paris, France.
256. “Summarization as Feature Selection for Document Categorization on Small Datasets”. **Emmanuel Anguiano-Hernández, Luis Villaseñor-Pineda, Manuel Montes-y-Gómez** and Paolo Rosso. 7th International Conference on Natural Language Processing IceTAL-2010, Reykjavik, Iceland, August 2010. Lecture Notes in Computer Science, volume 6233, Springer 2010.