

Publicaciones

Libros publicados

- R. de J. Romero-Troncoso, *Electrónica Digital y Lógica Programable*, Ed. Universidad de Guanajuato, México 2007.

comprar el libro...

- R. de J. Romero-Troncoso, *Sistemas Digitales con VHDL*, Ed. Legaria, México 2004.

Publicaciones en Revista Internacional

- Osornio-Rios R. A., Romero-Troncoso R. de J., Herrera-Ruiz G., Castañeda-Miranda R., FPGA implementation of higher degree polynomial acceleration profiles for peak jerk reduction in servomotors. *Robotics and Computer-Integrated Manufacturing*, Elsevier, Vol. 25, 2009, pp 379-392.

- Franco-Gasca L. A., Romero-Troncoso R. de A., Herrera-Ruiz G., Peniche-Vera R. del R., FPGA based failure monitoring system for machining processes. *Int J Adv Manuf Technol*, Springer, Vol. 40, 2009, pp 676-686.

- Cabal-Yepez E., Carozzi T. D., Romero-Troncoso R. de J., Gough M. P., Huber N., FPGA-based system for frequency detection of the main periodic component in time series information. *Digital Signal Processing*, Elsevier, Vol. 18, 2008, pp 1029-1044.

- Ordaz-Moreno A., Romero-Troncoso R. de J., Vite-Frias J. A., Rivera-Gillen J. R., Garcia-Perez A., Automatic on-line diagnosis algorithm for broken bar detection on induction motors based on discrete wavelet transform for FPGA implementation. *IEEE Transactions on Industrial Electronics*, Vol. 55, 2008, pp 2193-2202.

- Osornio-Rios R. A., Romero-Troncoso R. de J., Herrera-Ruiz G., Castañeda-Miranda R., The application of reconfigurable logic to high speed CNC milling machines controllers. *Control Engineering Practice*, Elsevier, Vol. 16, 2008, pp 674-684.

- Osornio-Rios R. A., Romero-Troncoso R. de J., Herrera-Ruiz G., Castañeda-Miranda R., Computationally efficient parametric analysis of discrete-time polynomial based acceleration–deceleration profile generation for industrial robotics and CNC machinery. *Mechatronics*, Elsevier, Vol. 17, 2007, 511-523.

- Franco-Gasca L. A., Romero-Troncoso R. J., Herrera-Ruiz G., Peniche-Vera R. del R., Reconfigurable filtering system for sensorless signal acquisition in machining processes. *Int J Adv Manuf Technol*, Springer, Vol. 38, 2007, pp 102-109.

- Alaniz-Lumbreras P. D., Gómez-Loenzo R. A., Romero-Troncoso R. de J., Peniche-Vera R. del R., Jáuregui-Correa J. C., Herrera-Ruiz G., Sensorless detection of tool breakage in milling. *Machine Science and Technology*, Taylor & Francis, Vol. 10, 2006, pp 263-274.

- Franco-Gasca L. A., Herrera-Ruiz G., Peniche-Vera R., Romero-Troncoso R. de J., Leal-Tafolla W., Sensorless tool failure monitoring system for drilling machines. *International Journal of Machine Tools & Manufacture*, Elsevier, Vol. 46, 2006, pp 381-386.

- Romero-Troncoso R. J., Herrera-Ruiz G., Terol-Villalobos I., Jauregui-Correa J. C., FPGA based on-line tool breakage detection system for CNC milling machines. *Mechatronics*, Elsevier, Vol. 14, 2004, pp 439-454.

- R. de J. Romero-Troncoso, and G. Herrera-Ruiz, FPGA implementation of a tool breakage detection algorithm in CNC milling machines, *Field Programmable Logic and Applications*, Proceedings of the 14th International Conference FPL 2004, Springer, Antwerp, Belgium, August/September 2004, pp 1142-1145.

- Romero-Troncoso R. J., Herrera-Ruiz G., Terol-Villalobos I., Jauregui-Correa J. C., Driver current analysis for sensorless tool breakage monitoring of CNC milling machines. *International Journal of Machine Tools & Manufacture*, Elsevier, Vol. 43, 2003, pp 1529-1534. *Congresos Internacionales*

- Mendoza-Camarena U. S., Romero-Troncoso R. de J., VHDL core for the computation of the one-dimensional discrete

cosine transform, Proceedings of the 2006 International Conference on Reconfigurable Computing and FPGAs, IEEE Computer Society, 20-22 September, San Luis Potosí, México, 2006.

- Romero-Troncoso R. de J., Ordaz-Moreno A., Vite-Frías J. A., García-Pérez A., 8-bit CISC microprocessor core for teaching applications in digital systems laboratory, Proceedings of the 2006 International Conference on Reconfigurable Computing and FPGAs, IEEE Computer Society, 20-22 September, San Luis Potosí, México, 2006.

- A. Frías-Velázquez and R. De J. Romero Troncoso, Algorithm for convergence criteria simulation on LMS adaptive filters, Third International Workshop on Random Fields Modelling and Processing in Inhomogeneous Media RFMPIM 2005, IEEE Signal Processing Society, Guanajuato, México, 24-25 October, 2005.

- J. A. Vite-Frías, R. De J. Romero-Troncoso and A. Ordaz-Moreno, VHDL core for 1024-point radix-4 FFT computation, Proceedings of the 2005 International Conference on Reconfigurable Computing and FPGAs, IEEE Computer society, 28-30 September, Puebla, México, 2005.

- A. Ordaz-Moreno, R. De J. Romero-Troncoso and J. A. Vite-Frías, Hardware signal processing unit for one-dimensional variable-length discrete wavelet transform, Proceedings of the 2005 International Conference on Reconfigurable Computing and FPGAs, IEEE Computer Society, 28-30 September, Puebla, México, 2005.

- J. M. Ramos-Arreguín and R. de J. Romero-Troncoso, Adaptación del plan de estudios de la carrera de electrónica y automatización en la UTSJR, para la incorporación de herramientas VHDL y lógica programable, Proceedings of the 2004 International Conference on Reconfigurable Computing and FPGAs, Colima, México, September 2004, pp 258-265.