

## Publicaciones

### Libros publicados

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

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- 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.

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