

Gregory V. Murphy, Ph.D, Head and Professor
Department of Electrical Engineering
Publications (2008-2017)

Book Chapters

1. **Gregory V. Murphy**, (*Contributing Chapter Author On Automatic Control*), et-al, Avallone, E. A., and Baumeister III, T. (editors), "Marks' Standard Handbook For Mechanical Engineers," McGraw-Hill, chapter 16, Presently Updating for 12th Edition in 2016.
2. **Murphy, G. V.** (contributing author on Automatic Control), et-al, Avallone, E. A., and Baumeister III, T. (editors), "*Marks' Standard Handbook For Mechanical Engineers*," McGraw-Hill, 11th edition, chapter 16, 2007.

Journal and Referred Papers

1. Idehen Ikponmwsa, **Gregory V. Murphy**, and Shiny Abraham, "*A Method for Distributed Control of Reactive Power and Voltage in a Power Grid: A Game-Theoretic Approach*", Reviewers Comments Being Addressed for Publication in *International Journal of Electrical Power and Energy Systems*.
2. Jesmin Khan, Sharif Bhuiyan, **Gregory Murphy** and Johnathan Williams, "Data Denoising and Compression for Smart Grid Communication", accepted for publication in *IEEE Transactions on Signal and Information Processing over Networks*.
3. Jesmin Khan, Sharif Bhuiyan, **Gregory Murphy** and Morgan Arline, "Embedded Zerotree Wavelet Based Data Denoising and Compression for Smart Grid", *IEEE Transactions on Industry Applications*, 06 April 2015.
4. Jesmin Khan, Sharif Bhuiyan, **Gregory Murphy** and Mohammad Alam, "Noise Removal from ECG signal using Empirical Mode Decomposition", *Journal of Biomedical Image Processing*, Vol. 1, No. 2, pp. 45-56, August 2014.
5. Jesmin F. Khan, Sharif M. A. Bhuiyan, Kazi M. Rahman and **Gregory V. Murphy**, "Space vector PWM for two phase VSI," *ELSEVIER International Journal of Electrical Power and Energy Systems*, Vol. 51, pp. 265-277, 2013
6. Jesmin Khan, Sharif Bhuiyan, and **Gregory Murphy**, "Noise removal from power system signals", published in *Proc. of IEEE Industrial Electronics Society Conference IECON2014*.
7. Jesmin Khan, Sharif Bhuiyan, **Gregory Murphy** and Johnathan Williams, "PMU Data Analysis in Smart Grid using WPD", published in *Proc. of IEEE Industrial Electronics Society Conference IECON2014*.
8. Jesmin Khan, Sharif Bhuiyan, **Gregory Murphy** and Morgan Arline, "Embedded Zerotree Wavelet Based Data Compression for Smart Grid", published in *Proc. of IEEE Industry Application Society (IAS) Annual Meeting 2013*.
9. Ebrahim, A. and **Murphy, G. V.** "*Adaptive Backstepping Control of a Speed-Sensorless Induction Motor Under Time-Varying Load Torque and Rotor Resistance Uncertainty*", *International Journal of Adaptive and Innovative Systems*, 2009, Vol. 1, No.2, pp. 171-186.
10. Ebrahim, A. and **Murphy, G. V.** "*Adaptive Backstepping Control of an Induction Motor Under Time-Varying Load Torque and Rotor Resistance Uncertainty*", *International Journal of Automation and Control* 2008, Vol. 2, No. 4, p. 401-417.