



Electrical and Computer Engineering

2009 Research Publications

School of Electrical and Computer Engineering - 2009 Research Publications

Books

- [1] Peng, W. and Gero, G., *A Design Interaction Tool That Adapts*: VDM Verlag, 2009.
- [2] Truong, N.V., *Nonlinear System Identification: A Wavelet based State Dependent Parameter Modeling Approach*: VDM Verlag, 2009.
- [3] Valladares, L., *Effects of Caffeine on Cognitive Tasks*: VDM Verlag, 2009.
- [4] Wang, L., *Model Predictive Control System Design and Implementation using MATLAB*. London and New York: Springer-Verlag, ISBN: 978-1-84882-330-3, 2009.

Book Chapters

- [1] Cvetkovic, D., Abdullah, H., Übeyli, E.D., Holland, G., and Cosic, I., "Alterations in Sleep Electroencephalography and Heart Rate Variability During the Obstructive Sleep Apnoea and Hypopnoea", in *Recent Advances in Biomedical Engineering*. In-Tech, Vukovar, Croatia, Oct. 2009, pp. 148-164, ISBN: 978-953-307-004-9.
- [2] Feng, Y. and Yu, X., "Sliding Mode Control of Chaotic Systems", in *Control of Chaos in Nonlinear Circuits and Systems*. World Scientific, Singapore, 2009, pp. 55-77, ISBN: 978-981-279-056-9.
- [3] Ippolito, S.J., Trinchi, A., Powell, D.A., and Wlodarski, W., "Acoustic Wave Gas and Vapor Sensors", in *Solid State Gas Sensors*. Springer, New York, 2009, pp. 261-304, ISBN: 978-0-387-09664-3.
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- [5] Memon, S. and Lech, M., "Speaker Verification Based on Information Theoretic Vector Quantization", in *Wireless Networks, Information Processing and Systems: Communications in Computer and Information Science*, vol. 20. Springer-Verlag, Berlin, 2009, pp. 391-399.
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Journal Articles

- [1] Abdullah, K., Mahmoud, S., and Hussain, Z., "Performance analysis of an optimal circular 16-QAM for wavelet based OFDM systems", in *International Journal of Communications, Network and System Sciences*, vol. 2, pp. 836-844, 2009.
- [2] Al-Mashat, L., Kaner, R.B., Tran, H.D., Kalantar-zadeh, K., and Wlodarski, W., "Layered surface acoustic wave hydrogen sensor based on polyethylaniline nanofibers," *Procedia Chemistry*, vol. 1, pp. 220-223, 2009.
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- [5] Arsat, R., Breedon, M., Shafiei, M., Spizziri, P.G., Gilje, S., Kaner, R.B., Kalantar-zadeh, K., and Wlodarski, W., "Graphene-like nano-sheets for surface acoustic wave gas sensor applications," *Chemical Physics Letters*, vol. 467, pp. 344-347, 2009.

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Conference Proceedings

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