

ENGINEERING BOOKS

1. An Introduction to the World of Artificial Intelligence (111 pages in Arabic), King Abdulaziz City for Science and Technology (KACST) Press, ISBN:9960-893-49-9, 2005
2. Fundamentals of Artificial Intelligence (274 pages in Arabic), King Faisal Cultural Center Press, ISBN:9960-677-34-0, 2005
3. Professional Communication and Presentation Skills For Scientists and Engineers (co-authored with B. Al-Mashary and M. El-Kady), King Faisal Cultural Center Press, ISBN: 9960-677-38-9, 2005
4. MATLAB for the Beginner, King Faisal Cultural Center Press, ISBN: 9960-677-35-4, 2004

LITERATURE BOOKS

5. I am not my Shadow (Arabic poetry) , Press-ready

JOURNAL PUBLICATIONS

6. S. Al-Garni and A. Abdenmour, "A Neural network Based Traffic Flow Evaluation System for Highways", to be published in the *Journal of King Saud University of Engineering Science*, January 2007.
7. A. Abdenmour, "VBR Video Traffic Modeling and Synthetic Data Generation Using GA-Optimized Volterra Series", to appear in *the International Journal of Network Management*, 2007.
8. A. Abdenmour and A. S. Al-Ghamdi, "Artificial Neural Networks Application to the Estimation of Vehicle Headways in Freeway Sections", *Journal of Traffic Engineering and Control*, UK, pp. 10-14, Feb. 2006.
9. A. Abdenmour, "Evaluation of Neural Network Architectures for MPEG-4 Video Traffic Prediction", *the IEEE transactions on Broadcasting*, Vol. 52, No. 2, 2006, pp. 184-192.
10. A. Abdenmour, "A Long Horizon Neuro-Fuzzy Predictor for MPEG Video Traffic", *the Journal of King Saud University (Engineering Sciences)*, Vol. 18, No.1, 2005, pp. 161-180.
11. W. Al-Masry and A. Abdenmour, "Gas Holdup Estimation in Bubble Columns Using Passive Acoustic Waveforms with Neural Networks ", *to be published in the Journal of Chemical Technology and Biotechnology*, 2006.
12. S. Al-Osaimi, A. Abdenmour, and A. Al-Suliman, "Hardware Implementation of a Fuzzy Logic Stabilizer on a Laboratory Scale Power System", *the International Journal of Electric Power Systems Research*, Vol. 74, No.1, pp. 9-15, April 2005.
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15. A. Abdennour, "Multi-Objective Optimal Tuning of Power Plant Controls Using Genetic Algorithms", the *Journal of Control and Intelligent Systems*, Vol. 32, No.2, pp 80-88, 2004.
16. A. Abdennour, "Adaptive Optimal Gain Scheduling for the Load Frequency Control Problem", *Electric Power Components and Systems Journal*, Vol. 30, no. 1, Jan. 2002, pp. 45-56.
17. M. Al-Esheikh, A. Abdennour, and A. Kadachi, "Energy Resolution of CsI(TL) Crystal Coupled with PIN Photodiode", the *Journal of King Abdulaziz University*, Vol. 13, No.2, pp 35-42, 2001.
18. A. Abdennour, "An Intelligent Supervisory System for Drum Type Boilers During Severe Disturbances", *International Journal of Electric Power and Energy Systems*, Vol. 22, No. 5, 2000, pp. 381-387.
19. F. Alturki and A. Abdennour, "Medium to Long-Term Load Forecasting for Riyadh City Using Artificial Neural Networks," *Journal of King Saud University*, Vol. 12, No.2, 2000, pp. 269-283.
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FUNDED PROJECTS

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