DATE   September 18, 2008

PERSONAL DATA

Name: **Adel Abdennour**
Business Address:

King Saud University
Electrical Engineering Department,
P.O. Box 800, Riyadh 11421, Saudi Arabia
Telephone (966-1) 467-8594
E-mail: adnnour@ksu.edu.sa

Home Address: Almorooj, Riyadh

EDUCATION

Ohio State University, Columbus, Ohio, USA

Year	Degree	Faculty	Field
1989	B.Sc.	Engineering	Electrical Engineering

Pennsylvania State University, State College, PA, USA

Year	Degree	Faculty	Field
1991	M.Sc.	Engineering	Electrical Engineering
1996	Ph.D.	Engineering	Electrical Engineering

CURRENT POSITION

Associate Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

POSITIONS HELD

ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SAUDI ARABIA
*Electrical **Engineering Department***
   1. Associate Professor (2001-present)
   2. Assistant Professor (1996-2001)
ACADEMIC – PENNSYLVANIA STATE UNIVERSITY, USA
 Department of Electrical Engineering
   1. Instructor (1995- 1996)
   2. Teaching Assistant (1992 - 1995)
   3. Research Assistant (1990– 1992)

PROFESSIONAL MEMBERSHIPS

Senior Member Institute of Electrical and Electronics Engineers (IEEE). U.S.A.

AWARDS

1. Recipient of the IEEE Energy Delivery and Power Generation Best Paper Award, USA, July 2000.

2. Recipient of the Outstanding Graduate Research Award (Electrical Engineering Department, Pennsylvania State University), 1996.

3. The College of Engineering Palmer's Fellowship for Academic Excellence, Pennsylvania State University, 1995.

4. The University Award for Exceptional Contributions in Furthering International Understanding at the Pennsylvania State University, 1995.

5. USAID Scholarship (for both the BS and MS Programs) 1985-1991.

PUBLICATIONS (*Summary*)

1. Books (4)
2. Refereed Journal Papers (22)
3. Award Winning Journal Papers (1)
4. Conference Papers (18)
5. Technical Reports (14)

ACADEMIC SUPERVISION

GRADUATE/UNDERGRADUATE SUPERVISION

Ph.D. Program: 2 students
M.Sc. Program: 5 students
Graduation Thesis: 14 students

RECENT FUNDED PROJECTS
(*Last Three Years*)

- M. Al-Esheikh and A. Abdennour, "Development of a Nuclear Engineering-Based and Commercially-Oriented Elemental Analysis and Radiation Studies Center", Deanship of Research, King Saud University (5/2005-6/2006 budget pending: SR 400,000).

- B. Al-Mashary, A. Abdennour, and M. El-Kady, "Design of Comprehensive Educational Modules for Communication and Presentation Skills for Engineering Students", Research Center, King Saud University (2/2004 to 2/2006 budget: SR 60,000).

- N. Al-Haider, A. Abdennour, and M. El-Kady, "Improvement of Power Supply Quality and Performance in SABIC", SABIC grant trough the Research Center of King Saud University (8/2004 to 8/2006 budget: SR 40,000).

- H. Talaat, A. Al-Suliman, and A. Abdennour, "Design and Implementation of Fuzzy Logic Stabilizer for Improving Power System Stability", National Project funded by the Deanship of Research, King Saud University (3/2003 to 3/2005 budget: SR 177,000).

- A. Abdennour and A. Alheraish, "Neural Network Architectures for MPEG Video Traffic Prediction", Research Center, College of Engineering, King Saud University (2/2004 to 8/2004 budget: SR 30,000).

- A. Abdennour, "Introduction to the World of Artificial Intelligence", a Book in Arabic, funded by the College of Engineering Research Center, King Saud University (1/2002 to 1/2003 budget: SR 17,000).

- A. Abdennour, B. Al-Mashary, and M. El-Kady, "Designing and Equipping a Pilot Classroom for Communication Skills", Department of Electrical Engineering, King Saud University (8/2003 to 12/2003 budget: SR 30,000).

RECENT PUBLICATIONS (*Last Year*)

Journal Papers

- A. Abdennour and A. S. Al-Ghamdi, "Artificial Neural Networks Application to the Estimation of Vehicle Headways in Freeway Sections", accepted in the *Journal of Traffic Engineering and Control.*

- A. Abdennour, "Evaluation of Neural Network Architectures for MPEG-4 Video Traffic Prediction", Accepted in the IEEE transactions on Broadcasting.

- W. Al-Masry, A. Abdennour, "Estimation of Gas Holdup from Passive Acoustic Waveforms Using Radial-Basis Neural Networks", *accepted* in the *Journal of Trends in Chemical Engineering* on May 13, 2005.

- S. Al-Osaimi, A. Abdennour, and A. Al-Suliman, "Hardware Implementation of a Fuzzy Logic Stabilizer on a Laboratory Scale Power System", Journal of *Electric Power Systems Research*, Vo. 74, No.1, pp. 9-15, April 2005.

- A. Abdennour, R. Hammouda, and N. Al-Haider, "Suppression of Torsional Oscillations in Turbo-Generators Using Genetic Algorithm Optimized Compensators", to appear in the *International Journal of Power and Energy Systems*, Vol. 25, No. 3, 2005.

- A. Abdennour, "A Long Horizon Neuro-Fuzzy Predictor for MPEG Video Traffic", Accepted for publication in *the Journal of King Saud University (Engineering Sciences),* Vol. 18, No.1, 2005.

- A. Abdennour, "Short-Term MPEG-4 Video Traffic Prediction Using ANFIS", Accepted in the *International Journal of Network Management* on march 21, 2005.

- A. Abdennour, "Multi-Objective Optimal Tuning of Power Plant Controls Using Genetic Algorithms", the *Journal of Control and Intelligent Systems*, Vol. 32, No.2, pp80-88, 2004.

Conference Papers (RECENT)

- N. Al-Haider, A. Abdennour, and A. Al-Ghamdi, "Modelling freeway Traffic Flow Using Neural Networks", accepted in the *Third Gulf Conference on Roads,* Muscat, March 2006.

- N. Al-Haider, A. Al-Ghamdi, and A. Abdennour, "ALINEA Ramp Metering Optimization Using Genetic Algorithms", accepted in the *Third Gulf Conference on Roads,* Muscat, March 2006.

- A. Alheraish and A. Abdennour, "Assessment and Comparisons of Neural Network Techniques for MPEG-4 Video Traffic Prediction", *Proceedings of the International Conference on Modelling, Simulation and Applied Optimization,* Sharjah, UAE, February 2004.

- A. Abdennour, "Optimal Power-Pressure Trade-Off for Different Power Plant Operating Conditions", *International Conference on Communication, Computer, and Power,* Muscat, Sultanate of Oman, February 2001, pp. 368-373.

- A. Abdennour, R.M. Hamouda, and N. M. Al-Haider, "Damping Torsional Oscillations Using Genetic Algorithm Optimized Lead/Lag Compensators", *International Conference on Communication, Computer, and Power,* Muscat, Sultanate of Oman, February 2001, pp. 159-164.