

CURRICULUM VITAE

PERSONAL DETAILS:

Name: Hussain Mohammad Behbehani

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Work Address: The Public Authority for Applied Education and Training
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Date of Birth: November 1st, 1974

Nationality: Kuwait

EDUCATION

Doctor of Philosophy Degree: University of Edinburgh, 2008, Scotland, U.K.

Master of Science Degree: Wayne State University, GPA 3.84 with Highest Honor, 2000, U.S.A.

Bachelor of Science Degree: Florida Institute of Technology, GPA 3.87 with Highest Honor, 1997, U.S.A.

High School: Ahmad Al-Basher School, Kuwait, 1992.

WORK EXPERIENCE

- Currently working at the PAAET, CTS, EE Department as an Assistant Professor since September 2008.
- Working at the PAAET, CTS, EE Department as a teaching from January – September 2005.
- Working at the PAAET, CTS, EE Department as a teaching assistant from 2000 until 2004.
- Courses taught during my work with PAAET:
 1. Fundamentals of Electrical Engineering
 2. Electrical Circuits
 3. Fundamentals of Power Systems (i.e., Power Transmission and Distribution).
 4. Electrical Power Distribution.
 5. Electrical Machines. I
 6. Electrical Drawing.
 7. Computer Applications.
 8. Electronics I.
 9. Electrical Installations.
 10. Electrical Measurements
 11. Power Systems Protection
 12. Electrical Power Systems
- I am capable of teaching courses in control systems such as Controls I and II.
- I have an experience in designing and implementing control systems based on Fuzzy Logic.
- Working as an electrical engineer for Kuwait Oil Company (KOC) in the commercial sector from January until December 1998.

RESEARCH EXPERIENCE

CONFERENCE PUBLICATIONS:

1. H. M. Behbehani, Zbigniew Lobosny and Janusz Bialek,” **Enhancement of Power System Stability Using Fuzzy Logic Based Supervisory Power System Stabilizer** “, Proceedings of PEcon 2008 – 2008 IEEE 2nd International Power and Energy Conference, pp. 479-484, 2008.
2. H. M. Behbehani, Janusz Bialek, and Zbigniew Lobosny,” **Survry of Supervisory Power System Stabilizer for Enhancement of Power System Stability** “, Proceedings of UPEC, pp. 426-437, 2007.

PUBLICATIONS:

1. Eng. Naser Al-Attar, Eng. Hussain M. Behbehani_ “Electrical Machine Lab Experiments Manual for 121 Electrical Machines Course”, PAAET, Kuwait, 2004.
2. Eng. Hussain M. Behbehani and Eng. Naser Al-Attar “Electrical Machine Lab Experiments Manual for 128 Electrical Machines Course”, PAAET, Kuwait, 2004.
3. Ahmad J. Sabzali, Esam H. Ismail, Mustafa A. Al-Saffar, and Hussain M. Behbahani, "**Non-isolated single-switch DC–DC converters with extended duty cycle for high step-down voltage applications**", International Journal of Circuit Theory and Applications, DOI: 10.1002/cta.2000, 2014.
4. Ahmad J. Sabzali, Esam H. Ismail, and Hussain M. Behbehani, "**High voltage step-up integrated double Boost-Sepic DC-DC converter for fuel-cell and photovoltaic applications**", Elsevier International Journal of Renewable Energy, Vol. 82, pp. 44-53, 2015.
5. Ayedh Alqahtani, Mohammad Al-Saffar, Mohamed El-Sayed, and, Hussain Behbehani, "**A photovoltaic system experiment in a laboratory Environment**," International Journal of Electrical Engineering Education, vol. 55, issue 1, pp. 31-43, 2018.

CONTRIBUTIONS

- I participated in several committees in the electrical engineering department at the CTS such as accreditation (ABET), the research, syllabus, social, promotion, schedule, scholarship, training field and employment committees.

TRAINING COURSES AND SEMINARS

- WIDS, the Public Authority for Applied Education and Training (PAAET), Kuwait, 2008.
- PhD Thesis Workshop, University of Edinburgh, Scotland, UK, 2007.
- Endnote Software, University of Edinburgh, Scotland, UK, 2006.
- Writing Research Paper, University of Edinburgh, Scotland, UK, 2006.
- How to be an Effective Researcher, University of Edinburgh, Scotland, UK, 2005.
- Wide Area Measurements Workshop, Imperial College London, 2006.
- Scientific Research, the Public Authority for Applied Education and Training (PAAET), Kuwait, 2004.
- Multimedia (Adobe Photoshop), The Public Authority for Applied Education and Training (PAAET), Kuwait, 2004.

- Power Point, the Public Authority for Applied Education and Training (PAAET), Kuwait, 2003.

CONFERENCES ATTENDED

1. 2008 IEEE 16th Power Systems Computations Conference, Glasgow, Scotland, UK.
2. 2007 IEEE Universities Power Engineering Conference, Brighton, UK.

MEMBERSHIP

- Member of the IEEE Society since 1997.
- Member of Tau Beta Pi since 1996.