

# CURRICULUM VITAE

## PERSONAL DETAILS:

**Name:** Hussain Mohammad Behbehani

**Home Address:** P.O. Box 15134  
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**Work Address:** The Public Authority for Applied Education and Training  
College of Technological Studies (CTS)  
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**Date of Birth:** November 1<sup>st</sup>, 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 2<sup>nd</sup> 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 16<sup>th</sup> 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.