

Dr. Mehmet Efe Özbek

Assistant Professor

CONTACT INFORMATION

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EDUCATION

- *Ph.D , Electrical & Electronics Eng. Dept., Middle East Tech. Un., 2002.*
- *M.Sc., Electrical & Electronics Eng. Dept., Middle East Tech. Un., 1995.*
- *B.Sc., Electrical & Electronics Eng. Dept., Middle East Tech. Un., 1992.*
- *Atatürk Anadolu High School, 1988.*

EXPERIENCE

- *Assistant Professor, Electrical & Electronics Eng. Dept., Atılım Un., 2002-*
- *Instructor, Electrical & Electronics Eng. Dept., Atılım Un., 2000-2002*
- *Research Assistant, Electrical & Electronics Eng. Dept., Middle East Tech. Un., 1992-*

RESEARCH INTERESTS

- *Remote Laboratory Applications*
- *Digital Electronics*
- *Embedded System Design*
- *High Voltage Engineering*
- *Flashover of polluted insulation*

PUBLICATIONS

- *Kara, A., Aydin, E., Ozbek. M.E., and Cagiltay, N., “Design and Development of a Remote and Virtual Environment for Experimental Training in Electrical and Electronics Engineering”, IEEE 9th Int. Conf. On Information Technology Based Higher Education and Training (ITHET 2010), 194-200, Cappadocia, 2010.*
- *Ozbek. M.E., Atas, M., and Kara, A., “Software Technologies, Architectures and Interoperability in Remote Laboratories”, IEEE 9th Int. Conf. On Information Technology Based Higher Education and Training (ITHET 2010), 402-406, Cappadocia, 2010.*

- Özbek M. E, "Dual-Coil Relay Driver uses only two MOSFETS", EDN, vol.54, iss.20, pp.48-48, Oct 22 2009
- Özbek M. E, "Piezoelectric driver finds buzzers resonant frequency", EDN, vol.53, iss.16, pp.76, Aug 7 2008
- Aydın C.C., Turkmen G., Ozyurt E., Aydın E.U., Cagiltay N.E.; Ozbek, M.E. Alparslan, N.C. Kara, A., "Distance laboratory applications ERRL: A study on Radio Communication in Electronic Field", 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2008, 22-24 May 2008, Romania.
- Aydın C. C ., Türkmen G., Özyurt E., Aydın E., Cagiltay N., Özbek M. E., Kara A., "Uzaktan Laboratuvar Uygulamaları ERRL: Elektronik Alanında Radyo Haberleşmesi Üzerine Bir Çalışma", 2. Uluslararası Gelecek İçin Öğrenme Alanında Yenilikler Konferansı 2008: e-Öğrenme, 27-29 Mart 2008 İstanbul, Türkiye.
- Kolberg S., Courivaud D., Özbek M.E. , "LMS and Interactivity - Technical Issues for Remote Laboratories", The 18th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications PIMRC2007, 4-7 September 2007, Greece.
- Çağiltay N. E., Aydın E., Özbek M. E., Öktem R., Kara A. " Avrupa Uzaktan Radyo Laboratuvarı: ERRL", Akademik Bilişim Konferansı, 2007.
- Özbek M. E, "Power-Saving Keypad Controls Multiple Keys Through One MCU Pin", Electronic Design, August 16, 2007
- Rumeli A., Özbek M. E., Hızal M., "Flashover of Polluted High Voltage Insulators", International Conference on Electrotechnics, October 1998.
- Hızal M., Özbek M. E., Rumeli A., "Prebreakdown Phenomena and Time Lags to Breakdown in Dielectric Liquid Hexane under Pressure", International Conference on Electrotechnics, October 1998.
- Özbek M. E., Rumeli A., "Anode and Cathode Fall Voltages of an Arc Propagating on an Electrolyte Surface" (in Turkish), 6th National Congress on Electrical Engineering, September 1995.

TEACHING

Courses taught:

- E 101 Engineering Fundamentals
- EE 102 Introduction to Electrical & Electronics Engineering
- EE 203 Digital Circuits & Systems
- EE 208 Microprocessors
- EE 235 Digital Electronics
- EE 312 Digital Integrated Circuits & Systems
- EE 432 VLSI Design
- EE 425 Advanced Digital Design with HDL
- EE 452 High Voltage Techniques