

# **CURRICULUM VITAE**

**1. Name:** **Dogan Ibrahim**  
**2. Date of Birth:** **1/11/1954**  
**3. Title:** **Prof Dr**

## **4. Degrees:**

<b>Degree</b>	<b>Field</b>	<b>Institution</b>	<b>Date</b>
B.Eng. (Hons)	Electronic Engineering (First Class)	Salford University (UK)	1975
M.Sc.	Automatic Control Engineering	Manchester University (UK)	1976
Ph.D.	Signal Processing	City University (UK)	1980

## **5. Years of Service on Faculty:**

**Assistant Professor** 10 years  
**Associate Professor** 7 years  
**Professor** 6 years

## **6. Master / Ph.D. Theses Supervision:** 4 pending

**6.1 Master Thesis- Completed:** 31 completed

**6.3 Ph.D. Thesis- Completed:** 1

## **7. Publications:**

### **7.1 International Journals (SCI Indexed):**

1. D. Ibrahim, P.E. Wellstead, M. Munro  
"On the Design and Assesment Of Control Schemes for the Balling-Drum Circuits Used in Pelletizing"  
International Journal of Mineral Processing, 5, 1978 pp. 45-67
2. D. Ibrahim  
"Designing Digital Sequence Controllers with Microprogramming Techniques"  
Electronic Engineering, May 1980
3. D. Ibrahim  
"Design of a Microprogrammable Computer With Bit-slice Devices (Part 1)"  
Microprocessors and Microsystems, Vol. 4 No. 2 March 1980
4. D. Ibrahim  
"Design of a Microprogrammable Computer With Bit-slice Devices (Part 2)"  
Microprocessors and Microsystems, Vol. 4, No. 3, April 1980
5. D. Ibrahim  
"16-bit Microprogrammable Microcomputer With Writeable Control Store"  
IEE Proceedings Vol. 128, Pt. E No. 1 1981
6. D. Ibrahim  
"TI58/59 Program for Transmission Lines"  
Electronic Engineering, 1981
7. D. Ibrahim  
"Impedance Matching"  
Electronic Engineering, 1981

8. D. Ibrahim  
“Optimum Tilt Angle for Solar Collectors used in Cyprus”  
Renewable Energy, Vol. 6. No. 7, pp. 813-819, October 1995
9. D. Ibrahim  
“GPSIM: A Personal Computer based GPS Simulator System”  
The Journal Of Navigation, Vol. 52, No. 1, Jan. 1999, Cambridge Univ. Press,  
pp. 126-135
10. D. Ibrahim  
“Teaching Digital Control Using a Low-cost Microcontroller Based Temperature Control Kit”  
International Journal Of Electrical Engineering Education (IJEEE)  
Vol. 40, Issue 3, July 2003, pp. 175-187
11. D. Ibrahim  
“PIC Based Autonomous Stepping Motor Controller”  
Electronics World, April 2005, pp. 40-44.
12. D. Ibrahim  
“Microcontroller Based Handheld ECG Unit With Graphics LCD”  
Electronics World, Vol: 113, Issue: 1858, October 2007, pp. 35-39
13. D. Ibrahim  
“Low-cost Microcontroller-based Hardware for Introducing Digital Filter Fundamentals to Students”  
International Journal of Engineering Education (IJEE), Vol. 23, No.5  
pp. 1000 – 1010, 2007
14. D. Ibrahim  
Microcontroller And SD-Card Based Multichannel Data Logger  
Electronics world, Nov. 2008, pp. 26-31.
15. D. Ibrahim  
Microcontroller Based Energy Meter  
Electronics World, August 2008, pp. 35-42.
16. D. Ibrahim  
Robo-PICA: An Educational Robot for Teaching  
Electronics World, Vol. 115, Issue. 1873, January 2009, pp. 20-24
17. D. Ibrahim  
Teaching the Principles of Modern Electricity Metering  
Int. Journal of. Eng. Education, Vol. 24, No. 6, Part II, 2008, pp. 1163-1169
18. D. Ibrahim  
Design of a multichannel temperature data logger with SD card storage  
Electronics World, Vol. 115, Issue. 1874, Feb. 2009, pp. 26-32
19. N. Cavus and D. Ibrahim  
“m-Learning: An experiment in Using SMS to Support Learning New English “Language Words  
British Journal Of Educational Technology, Vol:40, Issue, 1, pp. 78-91, 2009
20. D. Ibrahim  
“A Data Logger for Teaching Data Capturing and Analysis to Engineering Students  
Accepted for publication in: “Computer Applications in Eng. Education”
21. D. Ibrahim and Tayseer Alshanableh  
“An undergraduate fuzzy logic control lab using a line following robot”  
Computer Applications in Eng. Education, 2010.
22. D. Ibrahim  
“Microcontroller Debugging and Testing Tools”  
Electronics World, Vol. 115, Issue. 1880, August 2009, pp. 20-23

23. D. Ibrahim  
“GPS data logger with SD card storage and GOOGLE Earth map interface”  
Electronics World, Vol. 115, Issue. 1883, November 2009, pp. 28-34.
24. D. Ibrahim  
“Speech processing in Embedded Applications”  
Electronics World, Vol. 115, Issue. 1884, December 2009, pp. 20-25
25. R. Abiyev, D. Ibrahim, and B. Erin  
“EDURobot: An educational computer simulation program for navigation of mobile robots in the presence of obstacles”  
Int. Journal of Engineering Education (IJEE), Vol. 26, No:1, 2010, pp. 18-29.
26. D. Ibrahim  
“Design of a GPS data logger device with street level map interface”  
Advances in Engineering Software, 2010
27. D. Ibrahim  
“μRTOS: Simple Multitasking With Microcontrollers”  
Electronics World, 2010
28. D. Ibrahim and M. Radwan  
Designing a Speaker Recognition System  
Electronics World, Vol: 117, Issue: 1906, Oct 2011, pp. 22-27
29. D. Ibrahim  
Using Accelerometers in Embedded Applications  
Electronics World, Vol: 117, Issue: 1903, July 2011, pp. 29-34
30. Choosing a Handheld Digital Oscilloscope  
Electronics World, July, 2011, pp. 10-13
31. D. Ibrahim  
Precision Measurement and Logging of the Mains Frequency  
Electronics World, Vol: 117, Issue: 1908, Dec 2011, pp. 24-27
32. D. Ibrahim  
Processrs for Embedded Digital Signal Processing  
Electronics World, Vol: 117, Issue: 1907, Nov 2011, pp. 18-22
33. D. Ibrahim  
Using Graphics LCDs in Embedded Applications  
Electronics World, Vol: 117, Issue: 1907, Nov 2011, pp. 37-40
34. D. Ibrahim  
Precision Measurement and Logging of the Mains Frequency  
Electronics World, Vol: 117, Issue: 1908, Dec 2011, pp. 24-28
35. D. Ibrahim  
Automotive Buses  
Electronics World, Vol: 118, Issue: 1909, January 2012, pp. 30-37
36. D. Ibrahim  
An Educational Text-dependent Speaker Recognition System  
International Journal of Electrical Engineering Education (IJEEE), Vol: 49, No: 1, 2012, pp. 61-73
37. D. Ibrahim, A. Tosun, and P. Yigitoglu  
Design of Functional Electronic Stimulation Device for Drop Foot Patients  
Electronics World, Vol: 119, Issue: 1926, June 2013, pp. 26-30
38. D. Ibrahim, A. Tosun, and P. Yigitoglu  
Design of a Low-cost Microcontroller Based Functional Electronic Stimulation Device for Drop Foot Correction  
Instrumentation Science & Technology, 2013

39. D. Ibrahim and J. Abu Hasna  
 Teaching PID Auto-tuning Using a Low-cost Control Kit  
 International Journal of Engineering Education (IJEE), Vol: 29, No: 1, 2013
40. D. Ibrahim  
 Using Flowcode in Graphical Embedded System Programming  
 Electronics World, Vol: 119, Issue: 1922, pp. Feb 2013, pp. 12-15
41. D. Ibrahim  
 Design of Functional Electronic Stimulation Device for Drop Foot Patients  
 Electronics World, Vol: 119, Issue: 1926, Jun 2013, pp. 26-30
43. R. H. Abiyev, N. Akkaya, E. Aytac, and D. Ibrahim  
 Behaviour Tree Based Control for Efficient Navigation of Holonomic Robots  
 Int Journal of Robotics and Automation, 2013
44. D. Ibrahim  
 Low Power Radii Transceiver Modules in telemetry Applications  
 Electronics World, June 2015
45. D. Ibrahim  
 Development of a Low Cost Educational Liquid-Level Sensor Circuit  
 Int. Journal of Electrical Eng. Edu., 52(2), 2015
46. D. Ibrahim  
 Sensors in Wireless Weather Forecasting Applications,  
 Electronics World, 2015
47. D. Ibrahim  
 Using Gas Sensors in Wireless Environmental Monitoring and Control Applications  
 Electronics World, 2015
48. D. Ibrahim  
 Integrated Temperature and Relative Humidity Sensors in Wireless  
 Environmental Control and Monitoring Applications  
 Electronics World, 2015

## **7.2 International Symposia and Conferences:**

1. A.C. Davies, D. Ibrahim  
*"A Basis for Laboratory Work With Bit-slice Microprogrammable Microprocessors"*  
 The Challenge of Microprocessors,  
 Manchester University Press, 1979, pp. 96-105
2. D. Ibrahim, A.C. Davies  
*"Design Features of a User Microprogrammable Microcomputer"*  
 IEE Colloq. on Dev. of Bit-slice Systems, 24 Oct. 1980
3. D. Ibrahim  
*"Wind Energy in Northern Cyprus"*  
 World Renewable Energy Congress III, 11-16 September 1994, Reading, UK.
4. D. Ibrahim  
*"Choosing a Tilt Angle For the Liquid Flat-plate Solar Collectors Used in Cyprus"*  
 2nd Int. Conf. on New Energy Systems and Conversions,  
 31 July – 3 August 1995, Istanbul, Turkey
5. D. Ibrahim  
*"Optimum Orientation of Buildings in Cyprus Based Upon Local Solar and Wind Data"*  
 2nd. Int. Conf. on New Energy Systems and Conversions, Istanbul, Turkey,  
 31 July - 3 August 1995

6. D. Ibrahim  
“*Design of a Digital Sunshine Meter Using a Photovoltaic Cell*”  
IV. World Renewable Energy Congress, 15-21 June, 1996, Colorado, USA
7. D. Ibrahim  
“*Using a Personal Computer for Data Collection and Drawing the I-V Curve of a Photovoltaic Cell in Real-time*”  
IV. World Renewable Energy Congress, 15-21 June, 1996, Colorado, USA
8. D. Ibrahim  
“*A PC Based Photovoltaic I-V Curve Tracer*”  
Proceedings of the 1st Trabzon International Energy and Environment Symposium, TIEES-96, 29-31 July 1996, Trabzon, Turkey. pp. 123-128.
9. J. Head, S. Dunster, and D. Ibrahim  
“*TCAM - An open Data Network for Traffic Systems*”  
8th Int. Road Traffic Monitoring & Control, 23-25 April, 1996, IEE, London, pp. 38-41.
10. D. Ibrahim  
“*GPS Based Public Transport Route Information System*”  
1st International Conference on GeoComputation,  
School of Geography, University of Leeds, 17-19 Sept. 1996.
11. D. Ibrahim  
“*Computer Aided Design of Solar Water Pumping Systems*”  
6th International Congress on Agricultural Mechanization and Energy,  
ICAME’96, Sept. 1996, Ankara, Turkey.
12. D. Ibrahim  
“*Windows Based Design of Photovoltaic Systems on a PC*”  
3rd Int. Conf. On New Energy Systems & Conv., 8-13 Sept. 1997, Kazan, Russia
13. D. Ibrahim  
“*GPS Based In-vehicle Emergency Communication System*”  
30th Int. Symp. On Automotive Tech. & Automation, 16-19 June, 1997, Florence, Italy
14. D. Ibrahim  
4th World Congress on Intelligent Transport Systems, 21-24 October, 1997, Berlin
15. D. Ibrahim and M. Beasley  
“*The Benefits of LED Traffic Lights in London and the Pilot Test Sites*”  
9th International Conference on Road Transport and Control, 21-23 April, 1998, IEE, London
16. D. Ibrahim  
“*Using a DC to DC Converter to Power Portable Equipment From a Small Solar panel*”  
2nd Trabzon International Energy and Environment Symposium, 27-29 July, Trabzon, Turkey
17. D. Ibrahim  
“*Activex Control Software for GPS Applications*”  
31st International Symposium Automotive Technology and Automation, 2-5 June 1998, Dusseldorf, Germany
18. D. Ibrahim and P. Clarke  
“*The Next Generation UTC Data Transmission System For London – TCAM*”  
9th International Conference on Road Transport and Control, 21-23 April, 1998, IEE, London
19. D. Ibrahim  
“*A Feasibility Study on the Desalination of Sea Water in the Turkish Republic of Northern Cyprus*”  
International Conference on Water Problems in the Mediterranean Countries  
17-21 November 1997, Near East University, Nicosia, Cyprus
20. D. Ibrahim  
“*LED Traffic lights and Using Solar Electricity to Power These Lights*”  
World Renewable Energy Congress V, pp. 1860-63, 20-25 Sept. 1998, Florence, Italy

21. D. Ibrahim  
"PC Based GPS Simulator System (GPSIM)"  
5th World Congress on Intelligent Transport Systems, 12-16 October 1998, Seoul, Korea
22. D. Ibrahim and K. Oastler  
"Group Based Timetable Algorithm For Large UTC Systems"  
6<sup>th</sup> World Congress on Intelligent Transport Systems, Nov. 8-12, 1999, Toronto, Canada
23. D. Ibrahim  
"Powering Portable Traffic Lights Using Solar Panels", ISES Solar World Congress, 4-9 July, 1999, Israel
24. D. Ibrahim and J. Morar  
"Development of the Data Transmission System for London (TCAM)"  
10<sup>th</sup> International Conference on Road Transport Information and Control  
4-6 April, 2000, IEE, Savoy Place, London, UK
25. D. Ibrahim, D. Erdel, and B. Erdel  
"Earthquakes in and Around the Island of Cyprus in the last 30 Years"  
International Conference on Earthquake Hazard and Risk in the Mediterranean Region"  
18-22 October, 1999, Near East University, Nicosia, Cyprus
26. D. Ibrahim  
"Using Geographical Information Systems (GIS) in the Study of Earthquakes"  
International Conference On Earthquake Hazard and Risks in the Mediterranean Region, 18-22 October, 1999, Near East University, Nicosia, Cyprus
27. D. Ibrahim  
"Using Marine Radio Beacon Based Differential GPS Corrections in Greater London"  
8th World Congress on Intelligent Transport Systems, 30 Sept. – 4 Oct 2001, Sydney, Australia
28. D. Ibrahim  
"Design of Combinational Logic Circuits Using LSI Memories and a High Level Logic description language"  
Electrical, Electronic & Computer Engineering Symposium (NEU-CEE),  
2001, 23-25 May 2001, Nicosia, Cyprus pp. 156-160.
29. D. Ibrahim  
"Saving Energy With LED Traffic Lights in London"  
International Thermal energy Congress (ITEC-2001), 8-12 July 2001, Cesme, Izmir, Turkey
30. D. Haktanir and D. Ibrahim  
"Factors determining the Lighting of Large Storage Area and Supermarkets"  
International Lighting Congress, 12-14 Sept., 2001, Istanbul.
31. D. Ibrahim and D. Haktanir  
"LEDs are Replacing the Ordinary Light Bulbs", International Lighting Congress, 12-14 Sept., 2001, Istanbul.
32. D. Ibrahim  
"Monitoring Temperature using a Microcontroller With a High-Level language"  
ELECO'2001, International Conference on Electrical and Electronics Engineering, 7-11 November 2001, Bursa, Turkey
33. D. Ibrahim  
"Using Front End Processors in Traffic Control Data Transmission Systems"  
International Automotive and Transportation tech. Congress (ATT), 1-4 October, Barcelona, Spain 2001.
34. D. Ibrahim  
"Design of Low-Cost Educational Kits for Engineering Laboratories"  
International Conference, Applied Electronics, Pilsen, 11-12 Sept. 2002, pp. 51-54, Republic of Chezch.
35. D. Ibrahim  
"Design of a Multi-channel Microcontroller and PC based Data Logger"

- System”*  
2nd FAE International Symposium, European University of Lefke, November 2002, pp. 245-249, TRNC.
- 36 D. Ibrahim  
“*Matlab-Based Real-Time Data Collection and Processing Using a Microcontroller And Simulink*”  
2<sup>nd</sup> International Symposium on Electrical, Electronic and Computer Engineering (NEU-CEE2004), Near East University, Nicosia, Cyprus, 11-13 March 2003.
- 37 N. Cavus and D. Ibrahim  
“*Using Learning Objects To Teach Programming Languages*”  
Creating the Future, 3rd FAE International Symposium, 25-26 November, 2004, European University Of Lefke, TRNC
38. N. Cavus, D. Ibrahim, H. Uzunboylu  
“*Near East University Learning Management System Based Distant Education*”  
VI. International Educational Technology Conference, 19-21 April, 2006,  
Eastern Mediterranean University, Magosa, TRNC.
39. D. Ibrahim  
“*Design Of A Microcontroller Based GPS Data Logger System*”  
4<sup>th</sup> FAE International Symposium, University Of Lefke, 30 Nov – 1 Dec, 2006.
40. N. Cavus, H. Uzunboylu, and D. Ibrahim  
“*Using The Moodle Learning Management System And GREWPTool Collaborative Tool For Teaching A Programming Language*”  
4<sup>th</sup> FAE International Symposium, University Of Lefke, 30 Nov – 1 Dec, 2006.
41. N. Cavus, H. Uzunboylu, and D. Ibrahim  
“*Using The MOODLE Learning Management System and GREWPTOOL Collaborative Tool For Teaching a Programming Language*”,  
4th FAE International Symposium, University Of Lefke, 30 Nov-1 Dec, 2006
42. D. Ibrahim and S. Ahmedov  
“*A Novel Technique For Measuring The Power of an Athlete Using a Microcontroller Based Vertical Jump Testing Device*”  
ISEECE 2006, 3<sup>rd</sup> International Symposium and Education on Electrical, Electronic, and Computer Engineering, 23-25 November 2006, Near East University, TRNC.
43. N. Cavus, H. Uzunboylu, and D. Ibrahim  
“*The Effectiveness Of Using Learning Management Systems And Collaborative Tools in Web-Based Teaching of Programming Languages*”  
ISEECE 2006, 3<sup>rd</sup> International Symposium and Education on Electrical, Electronic, and Computer Engineering, 23-25 November 2006, Near East University, TRNC.
44. N. Cavus, H. Uzunboylu, and D. Ibrahim  
“*Combining Collaborative Learning With Learning Management Systems in Teaching Programming Language*”  
2<sup>nd</sup> International Open and Distance Learning (IODL) Symposium, Anadolu University, 13-25 September, Turkey
45. N. Cavus and D. Ibrahim  
“*Is Blended Learning the Solution to Web-Based Distant Engineering Education ?*  
7<sup>th</sup> Internatioal Educational Technology Conference, Near East University, Nicosia, Turkey, 3-5 May 2007, pp. 309-313
46. D. Ibrahim & H. Demirel  
Mobile Phone Usage Patterns of University Students in TRNC  
EECS’08 – 5<sup>th</sup> International Symposium on Electrical and Computer Systems  
European University of Lefke, 27<sup>th</sup> of November, 2008, pp. 191-195
47. D. Ibrahim & E. Coskun  
Developing an ECG Analysis and Monitoring Software  
EECS’08 – 5<sup>th</sup> International Symposium on Electrical and Computer Systems

- European University of Lefke, 27<sup>th</sup> of November, 2008, pp. 1-6
48. D. Ibrahim & N. Cavus  
 A Mobile Tool For Learning English Words  
 EECS'08 – 5<sup>th</sup> International Symposium on Electrical and Computer Systems  
 European University of Lefke, 27<sup>th</sup> of November, 2008, pp. 209-213
49. D. Ibrahim  
 "Using the Excel spreadsheet in Teaching Science Subjects"  
 World Conference on Educational Sciences, WCES-2009, Cyprus Educational Sciences Association, 4-7 February, 2009, North Cyprus.
50. D. Ibrahim, S. Ahmedov, and A. Khashman  
 "Design of a Microcontroller Based Device For Long-Term Monitoring of the Body Temperature of Patients"  
 Proceedings of the 1<sup>st</sup> Int. conf. on Manufacturing Engineering, Quality and Production Systems, Transilvania University of Brasov, Romania, Sept. 24-26, Vol. 1, pp. 124-129.
51. D. Ibrahim  
 Accurate Measurement of the Mains Frequency  
 7<sup>th</sup> International Conf on Technical and Physical Problems of Power Eng  
 ICTPE – 2011, 7-9 July, 2011, Near East University, pp. 524-527
52. D. Ibrahim  
 Teaching Digital Signal Processing  
 4<sup>th</sup> World Conference on Educational Sciences, 2-5 February, 2012, University of Barcelona, Spain
53. D. Ibrahim  
 Accurate Measurement of the Mains Electricity Frequency  
 ELECO 2011, 7<sup>th</sup> International Conference on Electrical and Electronics Engineering, 1-4 December, Bursa, Turkey, pp. 146-150
54. D. Ibrahim  
 Teaching Digital Signal Processing  
 4<sup>th</sup> World Conference on Educational Sciences, 2-5 February, 2012, Barcelona
55. D. Ibrahim and A. Shanshal  
 Design of an Ultrasonic System to Help Blind People Navigate in Closed Spaces  
 Proceedings of the EEECS'12, 7<sup>th</sup> International Symposium on Electrical and Electronics Engineering & Computer Systems, European University of Lefke, 29-30 November, 2012, pp. 122-125

### **Published Proceeding Papers**

#### **7.3 Books**

1. D. Ibrahim, M.A. Tut  
 "BASIC PROGRAMMING"  
 180 pages, 1992  
 Near East University Press, Nicosia, Cyprus
2. D. Ibrahim  
 "ADVANCED BASIC PROGRAMMING"  
 183 pages, 1992  
 Near East University Press, Nicosia, Cyprus
3. D. Ibrahim  
 "DBASE PROGRAMMING"  
 300 pages, 1992  
 Near East University Press, Nicosia, Cyprus
4. D. Ibrahim

- "INTRODUCTION TO UNIX"  
75 pages, 1992  
Near East University Press, Nicosia, Cyprus
5. D. Ibrahim  
"PASCAL PROGRAMMING"  
237 pages, 1993  
Near East University Press, Nicosia, Cyprus
6. D. Ibrahim  
"VAX/VMS FOR STUDENTS"  
220 pages, 1993  
Near East University Press, Nicosia, Cyprus
7. D. Ibrahim  
"ADVANCED PASCAL FOR STUDENTS"  
320 pages, 1994  
Near East University Press, Nicosia, Cyprus
8. D. Ibrahim  
"INTRODUCTION TO THE 8051 MICROPROCESSOR"  
250 pages, 1994  
Near East University Press, Nicosia, Cyprus
9. D. Ibrahim  
"MICROCONTROLLER PROJECTS IN C FOR THE 8051"  
208 pages, 2000  
Butterworth-Heinemann International Publishers, London  
ISBN: 0750646403
10. D. Ibrahim  
"Z80 LABORATORY MANUAL"  
100 pages, 2001  
Near East University Press, Nicosia, Cyprus  
ISBN: 975-8359-08-8
11. D. Ibrahim  
"8085/Z80 MICROPROCESSOR PROBLEMS"  
60 pages, 2001  
Near East University Press, Nicosia, Cyprus  
ISBN: 975-8359-09-6
12. D. Ibrahim  
"8085/Z80 MICROPROCESSOR ANSWERS"  
103 pages, 2001  
Near East University Press, Nicosia, Cyprus  
ISBN: 975-8359-10-X
13. D. Ibrahim  
"PIC BASIC: PROGRAMMING AND PROJECTS"  
208 pages, 2001  
Butterworth-Heinemann International Publishers, London  
ISBN: 0750652292
14. D. Ibrahim  
"MICROCONTROLLER BASED TEMPERATURE  
MONITORING AND CONTROL"  
Butterworth-Heinemann International Publishers, London  
ISBN: 0-7506-5556-9
15. D. Ibrahim  
"Z80 MICROPROCESSOR PROGRAMMING"  
Bileşim Yayıncılık ve Fuarçılık A.Ş., Turkiye  
ISBN: 9756410000

16. D. Ibrahim  
“PIC C İLE PIC PROGRAMLAMA”  
ERA Bilgi Sistemleri Yayıncılık ve Elektronik San.  
ISBN: 975-6897-18-X
17. D. Ibrahim  
“PIC C İLE IŞIK PROJELERİ”  
Bilesim Yayıncılık ve Fuarcılık A.S., Turkiye  
ISBN: 9756410019
18. D. Ibrahim  
“PIC C İLE SES PROJELERİ”  
Bilesim Yayıncılık ve Fuarcılık A.S., Turkiye  
ISBN: 9756410027
19. D. Ibrahim  
“PIC C İLE SICAKLIK PROJELERİ”  
Bilesim Yayıncılık ve Fuarcılık A.Ş., Turkiye  
ISBN: 9756410035
20. D. Ibrahim  
“ÖĞRENCİLER İÇİN MATLAB”  
Bilesim Yayıncılık ve Fuarcılık A.Ş., Turkiye  
ISBN: 9756410388
21. D. Ibrahim  
“Z80 MİKROİŞLEMÇİ PROGRAMLAMA”  
Bilesim Yayıncılık ve Fuarcılık A.S., Turkiye  
ISBN: 9756410442
22. D. Ibrahim  
“A dan Z ye MATLAB İLE ÇALIŞMAK”  
Bilesim Yayıncılık ve Fuarcılık A.Ş., Turkiye  
ISBN: 975641037X
23. R. Abiyev and D. Ibrahim  
“C PROGRAMMING FOR STUDENTS”  
Bilesim Yayıncılık ve Fuarcılık A.S., Turkey  
ISBN: 9756410221
24. R. Abiyev and D. Ibrahim  
“ÖĞRENCİLER İÇİN C İLE PROGRAMLAMA”  
Bileşim Yayıncılık ve Fuarcılık. A.Ş., Türkiye  
ISBN: 9756410396
25. D. Ibrahim  
“PIC C VE PC İLETİŞİM PROJELERİ”  
Bileşim Yayıncılık ve Fuarcılık. A.Ş., 2004, Türkiye  
ISBN: 9756410353
26. D. Ibrahim  
“NEWNES PICBASIC PROGRAMLAMA VE UYGULAMALAR”  
Bileşim Yayıncılık ve Fuarcılık A.Ş., 2004, Turkey  
ISBN: 9756410345
27. D. Ibrahim  
“PIC C MOTOR KONTROL PROJELERİ”  
Bileşim Yayıncılık ve Fuarcılık A.Ş., 2004, Turkey  
ISBN: 9756410361
28. D. Ibrahim and H. I. Mustafa  
“PIC PROGRAMLAMA VE İLERİ PIC PROJELERİ”  
Bileşim Yayıncılık ve Fuarcılık A.Ş., 2004, Turkey  
ISBN: 9756410396

29. D. Ibrahim  
“PIC ADIM MOTOR KONTROLU”  
Bileşim Yayıncılık ve Fuarçılık A.Ş., 2005, Turkey  
ISBN: 9752711022
30. D. Ibrahim  
“PIC MİKROKONTROLÖR OGRENIYORUM”  
Bileşim Yayıncılık ve Fuarçılık A.Ş., 2005, Turkey  
ISBN: 9752711030
31. D. Ibrahim  
“555 ENTEGRESİ İLE ZAMANLAMA DEVRELERİ”  
Bileşim Yayıncılık ve Fuarçılık A.Ş., 2005, Turkey  
ISBN: 9752711049
32. R. Abiyev ve D. Ibrahim  
“ÖĞRENCİLER İÇİN C İLE PROGRAMLAMA 2. BASKI”  
Bileşim Yayıncılık ve Fuarçılık. A.Ş., Türkiye  
ISBN:
33. D. Ibrahim  
“PIC BASIC: PROGRAMMING AND PROJECTS 2nd EDITION”  
208 pages, 2004  
Butterworth-Heinemann International Publishers, London  
ISBN: 0750652292
34. D. Ibrahim  
“PIC C İLE PIC PROGRAMLAMA 2. BASKI”  
ERA Bilgi Sistemleri Yayıncılık ve Elektronik San.  
ISBN: 975-6897-18-X
35. D. Ibrahim  
“MICROCONTROLLER BASED APPLIED DIGITAL CONTROL”  
John Wiley Publishing Ltd, 320 pages, 2005  
ISBN: 0-470-86335-8
36. D. Ibrahim  
PIC BASIC: 30 PROJECTS AND APPLICATIONS  
Elsevier Publishing Ltd  
ISBN:
37. D. Ibrahim  
“PIC ROBOT PROJELERİ”  
Bilesim Yayıncılık ve Fuarçılık A.Ş. Türkiye,  
ISBN:
38. D. Ibrahim and K. Uyar  
“8085 MICROPROCESSOR LABORATORY MANUAL”  
ISBN: 975-8359-37-1  
Near East University Press, 2006
39. D. Ibrahim and K. Uyar  
“8085 MICROPROCESSOR EXPERIMENTS”  
Bilesim Yayıncılık ve Fuarçılık A.S., Türkiye, 2006  
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86. N. Cavus, H. Uzunboylu, and D. Ibrahim  
“Student Opinion Towards Using an Open Source Learning Management System Together With a Collaborative Tool”, Cypriot Journal of Educational Sciences, No. 6, 2008, pp. 120-129.
87. D. Ibrahim  
“Insan Vucudu Sicakligini Surekli Olarak Olcen Cihaz Tasarimi”  
EMOBILIM, Yıl: 9, Sayı: 24, Mayis 2009, pp. 50-54.
88. D. Ibrahim  
“Kuresel Yerbulum Sistemi (GPS) Kullanan Mikrokontrolor Tabanlı Veri Toplama Sistemi Tasarimi”  
EMOBILIM, Yıl: 9, Sayı: 25, Agustos 2009, pp. 42-47
89. D. Ibrahim  
“Speech in Electronic devices: Design of a Speaking Thermometer”  
EMOBILIM, Yıl:9, Sayı: 26, Aralik 2009, pp. 58-60
90. D. Ibrahim and A. Ibrahim  
Sayisal Osiloskop Secimi, EMOBILIM, 11, Sayı: 32, Temmuz 2011, pp. 66-70
91. D. Ibrahim and A. Ibrahim  
Sebeke Akimi Frekansini Hassas Olarak Olcen Cihaz Tasarimi, EMOBILIM, Sayı: 33, Ekim 2011, pp. 64-70
92. D. Ibrahim and M. Altunc  
Using Solar Energy in the Cleaning of Swimming Pools in North Cyprus  
Journal of Sustainable Energy & Environment, 3(2012) pp. 31-33

93. D. Ibrahim  
Gunes Enerjisinden Elektrik Uretimi Sistemi Tasarimi, EMOBILIM, Sayi: 34, Subat 2012, pp. 52-60
94. D.ibrahim and Y. Erzin  
Mikrokontrolor Destekli Alkol Detektor Sistemi Tasarimi, EMOBILIM, Sayi: 35, Haziran 2012, pp.50-53
95. D. Ibrahim  
Mikrokontrolor Destekli Aci Olcum Sistemi, EMOBILIM, Sayi: 36, Eylul 2012, pp. 62-66
96. D. Ibrahim  
Design of Digital Filters Using Microprocessors, EMOBILIM, Sayi: 37, Ocak 2013, pp. 36-40
97. D. Ibrahim and A. Shanshal  
Design of an Ultrasonic System for Blind People, EMOBILIM, Sayi: 38, Mayis 2013, pp. 42-45
98. D. Ibrahim  
Vucuttaki Alkol Miktarini Olcen Mikrokontrolor Destekli ve Ses Cikisli Bir Alkol Olcer Cihazi Tasarimi  
Near East Medical Journal, Vol: 2, Issue 2, July 2012, pp. 37-41

## **8. Projects:**

1. KALP ATIŞLARINI GÖSTEREN LCD TABANLI PORTABİL EKG CİHAZI TASARIMI (**2007**)  
**(Design of an LCD based portabls ECG device to showthe heart rate)**
2. GPS DESTEKLİ YURUYEN MOBİL ROBOT TASARIMI (**2007**)  
**(Design of a GPS based mobile robot)**
3. MİKROKONTROLÖR DESTEKLİ PORTABİL ELEKTRİK ENERJİSİ ÖLÇÜM CİHAZI TASARIMI (**2008**)  
**(Design of a microcontroller based portable device to show electricity Energy usage)**
4. BOY VE AGIRLIK OLCUM CIHAZI TASARIMI (2009)  
**(Design of adevice to show the weight and height)**

## **9. Administrative Posts:**

Chairman, Department of Computer Engineering, Near East University  
 Chairman, Department of Biomedical Engineering, Near East University

## **10. Citations:**

1. Konut ihtiyaci icin Gunes enerjisinden Elektrik Uretimi  
3e Elektrotech, Temmuz 2007, Sayi. 157
2. MOS-51 Tip Mikrokontrolorusun Cevre Birimleri ile Alakalandirilmasi ve  
Numune Bilgisayar Kartinin Yapilmasi  
Selcuk Teknik Online Dergisi, Ekim 2000-Ocak 2001, Vol. 1, No: 2-2000
3. O.O. Pektas  
Analog Uzaktan Kumandali Mobil Robot Tasarimi  
Otomasyon, 1007, pp. 142  
(PIC C ile Motor Kontrol Projelerine atif)
4. Koray Ulgen  
Optimum Tilt Angle for Solar Collectors  
Energy Sources, Part A, 28:1171-1180, 2006  
(citation to Optimum Tilt Angle for Solar Colelctors Used in Cyprus)
5. Mihir Sen  
Principles of Thermal Control  
Dept. Of Aerospace and Mechanical Eng.

University of Notre Dame  
Notre Dame, IN46556, USA, 2004  
(Citation to Microcontroller based temperature monitoring and control)

6. M.W. Chambers  
Design and Fabrication of a Microheater Control System  
Electrical and Computer Engineering  
Senior Project, University of Utah  
(Citation to Microcontroller Based Temperature monitoring and control)
7. Mihir Sen  
A Review of Principles and Applications of Thermal Control  
Ingenieria Meccanica, Technologia y Desarrollo, marzo, Vol. 1, No. 4,  
Sociedad Mexicana de Ingenieria Mecanica Distrito Federal, Mexico pp.  
115-131, 2004  
(Citation to Microcontroller based temperature monitoring and control)
8. J. Williams, N. Egger, et al  
Portable BAC Analyzer  
Dept. Of Electrical and Computer Eng.  
Mississippi State University, April 2004  
(Citation to Microcontroller based temperature monitoring and control)
9. Yildiz Teknik Universitesi, Ders kitabı listesi  
temel Bilgisayar Bilimleri  
(Citation to Ogrenciler icin MATLAB and A'dan Z'ye MATLAB ile  
Calismak)
10. Slavko Kocijancic  
Elektronika 2  
Studijsko gradivo-sama za interno uporabo na Pedejoski fakulteti,  
Ljubljana, marec 2005  
(Citation to Microcontroller projects in C for the 8051)
11. Slavko Kocijancic  
Elektronika 1  
Studijsko gradivo-sama za interno uporabo na Pedejoski fakulteti,  
2006/2007  
(Citation to Microcontroller projects in C for the 8051)
12. M.P. Machado  
Comparative analysis of learning management systems  
California State University  
MSc Thesis, Management and Information Technology, Dec. 2006  
(Citation to Near East University Learning Management System Based Distant  
Education)
13. Maltepe Universitesi, Ders kitapları  
BTP-115 Teknolojinin Bilimsel İlkeleri  
(Citation to MATLAB ile calismak)
14. Istanbul Kultur Universitesi, ders kitapları  
ENG-004 An Introduction to Programming Algorithms  
(Citation to A'dan Z'ye MATLAB ile calismak)
15. Kocaeli Universitet# ders kitapları  
FIZ462  
(Citation to Ogrenciler icin MATLAB)
16. L. Weigang, Y. Yamashita et al  
Implementacao do Sistema de Mapeamento de uma Linha de Onibus para  
Um Sistema de Transporte Inteligente  
Anais do XXI Congresso da Sociedade Brasileira de Computacao,  
Seminario Integrado de Software e Hardware (SEMISH) pp. 72-85,  
30 de julho, 2001, Brazil

17. C. Wright  
Intelligent transport systems: possibilities and limitations  
Proc. Of the Institute of Civil Engineers  
Municipal Engineer 145, January 2001, Issue. 1, pp. 61-68
18. L. Weigang, Y. Yamashito et al.  
The development and Implementation of the Operation system and Data Bank for the Intelligent Transportation System – SITCUO  
Journal of Advanced Transportation, ISSN: 0197-6729, Vol: 38, No:2  
pp. 163-186, 2004
19. Firat Bestepe  
Microcontroller Based Multiport Communication System for Digital Electricity Meters  
MSc Thesis, Middle East Technical University, Graduate School of Natural and Applied Sciences, December 2004.
20. R. Tang and T. Wu  
Optimal tilt-angles for solar collectors used in China  
Applied Energy 79 (2004) 239-248  
(Citation to Optimum tilt-angle for solar collectors used in Cyprus)
21. Aydin Bodur  
MikroBasic Derleyicisi Ile Ilgili Turkce Kaynaklar ve Ornek Proje  
Otomasyon, Mart 2008, Sayi. 189 pp. 252-258
22. Aydin Bodur  
MikroBasic simulatoru  
Otomasyon, Mart 2008, Sayi. 189 pp. 264-268
23. T. Aydogan, H. Sengun, and I. Oysal  
Mikrodenetleyici Tabanli GPS Alici Tasarimi ve Yapimi  
Akademik Bilisim, 2007,  
Dumlupinar Universitesi, Kutahya,31 Ocak 2007.
24. Dionisio Barros  
Universidade Da Madeira, Deoartmento de Matematica e Engenharias  
Laboratorios III (Microprocessadores), Calculadora, 2002/2003.
25. Durmus Uygun  
“Hibrit Adim Motorlarinin Egitim ve Endustriyel Uygulama Amacli Visual Basic tabanli Kontrol Yazilimi ve Uygulamasi”  
5. Uluslararası İleri teknolojiler Sempozyumu (IATS’09), 13-15 Mayıs 2009,  
Karabuk, Turkiye.
26. F. Abdel-Hady and S. Abuelenin  
“Design and Simulation of a Fuzzy-Supervised PID Controller for a Magnetic Levitation System”  
Studies in Informatics and Control, Vol: 17, No: 3, 2008.
27. A. A. Shafies, K. Raisuddin, H. Al-haieaid and E. Ibrahim  
“Development of Intelligenet Air-conditioning System”  
Int. Conf. On Energy and Environment 2006 (ICEE 2006).
28. S. Bishai and MS Metwally  
“On the Design of Bit-Slice Processors”  
Enginnering Journal of Qatar University, Vol:1, 1988, pp. 273-281.
29. Juraj Micek  
“Riadiaci system procesu chemickeho niklovania”  
Katedra technickej kybernetiky  
Fakulta riadenia a informatiky  
Zilinska univerzita

## **11. Scientific and Professional Society Membership:**

FELLOW of the Institution of Engineering and Technology (IET, UK)  
Chartered Engineer

## **12. Courses Taught During the Last Two Semesters:**

Academic Year	Semester	Course Name	Weekly taught hours		Number of Students
			Theory	Lab	
2010/2011	Fall	Biomedical sensors	4	2	30
		Advanced Microprocessors	4	1	12
	Spring	Biomedical Instrumentation	4	2	32
		Biomedical Modelling	4	1	30
2011-2012	Fall	Advanced Microcontrollers	4	1	11
		Biomedical Instrumentation	4	2	30
	Spring	Modelling Biological Systems	4	1	35
		Biomedical Sensors	4	1	32

## **13. Awards:**

### **PATENTS**

1. D. Ibrahim and A. Ibrahim  
**Coloured Dice Board Game**  
Patent no: GB2436530  
2007
2. S. Ahmedov and D. Ibrahim  
**Non-invasive Measurement of Cardiac Index Using a Thermometer**  
Patent no: GB2436146  
2007
3. S. Ahmedov and D. Ibrahim  
**Device for Physical Fitness Assessment**  
Patent no: GB2450338  
2008

## **14. Master of Science Thesis Supervised (with thesis) and Completed:**

1. "Design and Implementation of a User Interface for PLC Based System Automation"  
by Latif Nizipli, 2002
2. "*Radar Based Automatic Vehicle Collision Detection System*"  
by Guner Bugrahan, 2002
3. "*Secure Sockets Layers and Data Encryption Using Java Application*"  
by Nehad Bader, 2003
4. "*Development Of Basic Logic Laboratory Using Internet*"  
by Imge Saracoglu, 2003

5. "Interbank Cheque Clearing Software Using Internet"  
by Umit Ilhan, 2003
6. "RSA Data Encryption Algorithm Using Java Application"  
by Raid Haj Ahmed. 2003
7. "Design of Simple Cryptography Algorithms for Internet based Embedded Microcontrollers"  
by Raed Fouad Mosleh Zourob. 2003
8. "Design Of a Microcontroller Based Data Logging System"  
by Mohammad Fadel Klaib, 2004
9. "Wireless Emergency Warning Systems Design And Implementation"  
by Mehmet Ugurlu, 2003
10. "Caching Web Proxy Server using Java Application"  
by Ahmed Abu Asi, 2003
11. "Simulation of The N-Body Problem Using Sequential and Parallel Algorithms"  
by Farahnaz Golroo, 2004
12. "Multitasking Application On Microcontrollers"  
by Majdi R.K. Tibi, 2005
13. "Software Development Of Data Compression Algorithm (Application to Turkish Text)"  
by Allaeeldin Fadil Alhashim, 2005
14. "Semiconductor Accelerometer Sensors And Their Use in Microcontroller Based Systems"  
by Jehad M.H. Tabash, 2006
15. "Microcontroller Based Digital Filter Development"  
by Ibrahim Atef Sarsour, 2006
16. "Microcontroller Based Aquarium Control System"  
by Mahmut Kisacik, 2007
17. "Computer Based Concrete Production Automation"  
by Hakan Akuzu, 2007
18. "Global Positioning System Based Robot Navigation"  
by Mohammad Tailakh, 2007
19. "Developing An ECG Monitoring and Analysis Software"  
by Erkan Coskun
20. "Extension of Range of Wireless LANs"  
by Mahmoud R.M. El Bayari
21. "Teaching English Language With Mobile Learning"

by Neval Bektasi

22. “Using ZigBee in Remote Monitoring and Automation”  
by Omer Faruk Tosun, 2009
23. “Intelligent Recognition and Classification of Three Cardiac Conditions Using ECG Signals”  
by Ali Isin
24. “Design and Implementation of a Microcontroller Based Infusion Pump System With Bluetooth Wireless Remote Monitoring”  
by Rana Riyadh Saeed
25. “Develop and Design of an Ultrasonic System to Help Blind People Navigate in Closed Spaces”  
by Ali Musadaq Sahanshal
26. “Telemedicine”  
by Ismail Calikusu

**15. Master of Science Thesis Supervised (Without Thesis) and Completed:**

1. “Web-Based Teaching Of Traffic Rules to Children in the TRNC”  
by Bilgen Tanok Basaran, 2006
2. “Analysis of Airlines Operating in TRNC”  
by Zehra Kamiloglu, 2008
3. “Mobile Phone Usage Patterns of University Students in TRNC”  
by Hilmiye Demirel, 2008
4. “Measuring The Human Heart Rate Using a Microcontroller Based Finger Pulse Light Sensor”  
by Yucel Inan, 2009
5. “Development of an Educational Temperature Control System”  
By Hakan Aykulu, 2011

**16. BSc Projects Supervised and Completed:**

1. Internet Based Automation (2000)
2. Visual Basic Based TTL Gate Tester (2001)
3. Visual Basic Based EPROM Programmer (2001)
4. TCP/IP and Real-Time Systems (2001)
5. Theory and Applications of WAP (2001)
6. Internet Based Automatic Control (2001)

7. IEEE-488 Bus Hardware and Software Design (2001)
8. Smart Card Based Security Lock (2002)
9. Time Standards and Time Synchronization on Computer and Network Systems (2002)
10. Applications of Smart Cards (2002)
11. Theory and Applications of Smart Cards (2002)
12. Oracle (2002)
13. Transmission Control Protocol and Internet Protocol (2003)
14. Internet and Internet Transmission Media (2003)
15. TCP/IP applications (2004)
16. Computer Networks and Routing Problems (2004)
17. Client/Server Computing And Applications (2004)
18. Development And Integration Of Oracle DBMS With Java (2004)
19. Microcontroller Applications (2004)
20. Computer Networking and Routing Problems (2004)
21. TCP-IP Based Client-Server Computing (2004)
22. GPRS for GSM Systems (2005)
23. Microcontroller Based Robot Control (2005)
24. Theory and Applications of Wireless LAN (2005)
25. The PIC Microcontroller and Its Abilities (2005)
26. Multitasking Algorithm for Microcontrollers (2005)
27. Wireless Local Area Networks (2005)
28. Wireless Asynchronous Transfer Mode
29. Transmission Control Protocol and Internet Protocol
30. E-Commerce For Laptops – Selling Company (2006)
31. Wireless Network Security (2006)
32. Designing an Electronic Organ Using 8085 Microprocessor (2006)

33. Microcontroller Based USB Joystick (2008)
34. PIC Microcontroller Based Game System (2008)
35. Measuring Temperature and Humidity (2013)
36. Designing a Device to Measure Heart rate (2013)
37. Designing a Digital Alarm Thermometer (2013)
38. Measuring Height Using Ultrasonic Sensor (2013)

## **17. Other Certificates:**

1. *Radio Amateurs' Certificate*  
*Licensing conditions and Transmitter Interference*  
Grade: **DISTINCTION**  
City and Guild of London Institute  
Date: 1985
2. *Radio Amateurs' Certificate*  
*Operating Practises, Procedures and Theory*  
Grade: **DISTINCTION**  
City and Guild of London Institute  
Date: 1985
3. *Day Skipper Certificate*  
National Marine Correspondence School  
Date: 1996
4. *Coastal Skipper and Yachmaster Offshore Certificate*  
Royal Yachting Association  
National Marine Correspondence School  
Date: 2000
5. *Navigation and Seamanship Certificate*  
National Marine Correspondence School  
Date: 1996
6. *Inland Waters Helmsmans Certificate*  
Royal Yachting Association  
Date: 1999
7. *International Certificate for Operator of Pleasure Craft*  
Royal Yachting Association  
Date: 1999
8. VAX/VMS General Users (1981)
9. Introduction to Data Communications (1984)
10. Introduction to DECnet (1984)

11. VAX/VMS System Management (1984)
12. Programming RSX DECnet (1984)
13. Programming VAX/VMS DECnet (1984)
14. Management of DECnet VAX (1985)
15. RSX 11 M Plus System Management (1985)
16. RSX11M System Internals (1985)
17. Management of RSX DECnet (1985)
18. How to Manage Software Projects (1986)
19. Managing VMS on Your MicroVAX (1986)
20. VMS Performance Tuning (1986)
21. PDP-11 System Diagnostic (1987)
22. PDP-11/84 System Maintenance (1987)
23. Programming in VAX MACRO (1988)
24. VAX/VMS Version 5 technical Update Seminar (1988)
25. Introduction to UNIX (1988)
26. Using VMS From FORTRAN (1988)
27. VMS Internals Level I (1988)
28. VMS Internals Level II (1990)
29. LAN Users Guide (1989)
30. VAX/VMS Programming For Performance (1989)
31. VMS Internals Level II (1990)
32. Visual C++ 5.0 for Windows (1998)
33. Windows Operating System & Services Architecture (1998)
34. Fundamentals of Visual Basic 4.0 (1998)
35. C# Programming (2005)
36. A Comprehensive Introduction to Networking (2008)
37. Linux Introduction (2009)

**18. Lectures given in the last two years (BSc and MSc)**

Akademc Year	Session	Course Name	Weekly Hours		No of Students
			Theory	Practical	
2013	<b>Autumn</b>	Software Engineering	4	2	10
		Software Project Management	4	2	8
	<b>Spring</b>	Software Engineering	4	2	12
		Software Project Management	4	2	10
2014	<b>Autumn</b>	Software Engineering	4	2	9
		Software Project Management	4	2	10
	<b>Spring</b>	Software Engineering	4	2	12
		Software Project Management	4	2	10