



Curriculum Vitae

Name

Mr. TOUBAL Madjid

Mailing address

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Personal Information

Marital Status: Married, 6 Children.
Nationality: Algerian.
Date and Place of Birth: 3rd of June 1949, Algeria.

Education

1980- 1983

Master's Degree in Electrical Engineering, Stevens Institute of Technology,
Hoboken, New Jersey/USA.

1971-1976

Bachelor's Degree in Physics "Licence de Physique" University of Algiers, Algeria

Professional experience

May 2006 – to present

University of Qassim/ College of Eng./ Saudia Arabia.
Lecturer at the Electrical Engineering department,
Duties include teaching undergraduate courses for engineers, and developing laboratory experiments.

1998 - to 2006

University of Boumerdes/ Faculty of Engineering, Boumerdes/Algeria.

Lecturer "Maitre Assistant" at the Department of Electricity and Electronics (DGEE).
Duties include teaching undergraduate courses for engineers and technicians, supervising practical projects for technicians and developing laboratory experiments. I am also involved in the supervision of industrial training for both engineers and technicians

1983 -1998

National Institute of Electricity and Electronics (INELEC), Boumerdes/Algeria.

Lecturer "Maitre Assistant" at the Department of Electrical Engineering.
Duties are the same as in the above section.

Note: INELEC is the equivalent of an American college offering a Bachelor's Degree in Electrical Engineering. It was created with the participation of a consortium of American Universities, and opened its doors in 1976. The language of study is English..

1976 - 1980

University of Sciences and Technology (USTHB), Bab-Ezzouar/Algeria.

Assistant Lecturer in Electronics.

Duties include teaching undergraduate courses and tutorials for engineers and technicians. I was also involved in different laboratory supervisions.

Courses Taught

For Engineers

- EE 101: Engineering I (Lec. Lab. Tut.)* during Fall 83, 87, 88 and 2001.
- EE 102: Engineering II (Lec. Lab. Tut.) during Spring 84, 88, 89 and 2002.
- EE 241: Active Devices I (Lec. Lab. Tut.) during Fall 90, 91, 92, 93, 94, 95 and 2001.
- EE 242: Active Devices II (Lec. Lab. Tut.) during Spring 91, 92, 93, 94, 95, 96 and 2002.

For Technicians

- TE 212: Electronic Communications (Lec. Lab.) during Spring 90, 97, 98, 99 and 2000.
- TE 232: Power Electronics (Lab.) during Fall 89, 96.
- TE 241: Electronic Principles (Lec. Lab. Tut.) during Fall 84, 85, 86, 97, 98 and 2000.
- TE 244: Applied Electronics (Lec. Lab. Tut.) during Spring 85, 86, 87, and Fall 99
- TE351: Industrial controls (Lec. Lab.) during Spring 2000, 2001.

Text books used

- For EE 101 and EE 102 courses, *Engineering Circuit Analysis* by William H. Hayt, JR. and Jack E. Kemmerly.
- For EE 241 and EE 242 courses, *Electronic Circuits. Discrete and Integrated* by Donald L. Schilling and Charles Belove.
- For TE 241 course, *Electronic Principles, 5th ed.* by Robert Paul Malvino.
- For TE 212 course, *Electronic Communications, 4th ed.* by Dennis Roddy and John Coolen.
- For TE 244 course, *Electronic Devices and Circuit Theory* by Boylestad Robert and Luis Nashlesky.
- For TE 244 course also, *Operational Amplifiers* by Robert F. Coughlin and Frederick Driscoll.
- For TE 351 Course, *Process Control Instrumentation Technology* by Curtis D. Johnson.

Projects Supervision

For Engineers: The duration of these projects is six (06) months.

1. Ultrasonic detection and location objects, Spring 1988.
2. Digital electrometer, Spring 1990.
3. Design of Optoelectronic sensors based on electroabsorption effect, June 1992.
4. Remote control, June 1992.
5. Design of an electromyography (EMG), June 1994.
6. Control of an articulated robot arm using sensory feedback: Piezo film (PVDF) tracking system, June 2002

For Technicians: The duration of these projects is three (03) months.

1. Transmission by AC power line, Spring 1988.
2. Heart rate tachometer, July 1989.
3. Transistor tester, June 1990.
4. Sensitive Gas detection system, June 1991.
5. Digital Multi-meter, June 1993.
6. Anti drowsiness device and hazard flash indicator, June 1993.
7. Digital level meter, June 1994.
8. Decoy target, June 1995.
9. Autorange digital capacitance meter, June 1995.
10. Digital inductance meter, November 1996.
11. Light self control with clock, November 1996.
12. Six-digit frequency meter, June 1997.
13. EPROM based signal generator, June 1997.
14. VHF Transceiver, June 1998.
15. Heart rhythm monitor, June 1999.
16. Warning Light Controller, June 2000.
17. Biomedical Amplifier with Programmable Gain and Optical Isolation, June 2000.
18. PC-Based Oscilloscope, June 2001.
19. Electrocardiogram Tester, June 2001.
20. FM Stereo transmitter, June 2001
21. Digital Barometer /Thermometer, June 2002.
22. Programmable thermostat, June 2002.
23. Automobile temperature monitoring & control, June 2002.

* « Lecture = Lec. Laboratory = Lab. Tutorial = Tut. »

Research Activities

September 99-to-2003

University of Boumerdes/ Faculty of Eng., /EE. Dept., Boumerdes/Algeria.

Involved in a Research group on: " Design and Implementation of multi-disciplinary Piezo-Electric Polymer transducers ".

Computer assisted Research and Teaching.

I have been using Spice for simulation of electronic circuits, Eagle for printed circuit boards and Electronic workbench for developing laboratory experiments for engineers and technicians. I have also introduced the students to Microsoft Word, which enabled them to present finalized reports. I have been using Microsoft Excel for reporting the grades and Visual Basic to do some programming.

Languages

Fluent in English, Arabic and French.

References

(1) Dr. Bilal CHANANE, Professor, Mathematical Sciences, KFUPM,
P.O. Box 1235, Dhahran 31261, Saudi Arabia. E-mail: chanane@kfupm.edu.sa

(2) Dr. Hadj BOURDOUCEN, Associate Professor, Sultan Qaboos University, College of
Engineering, EE/Dept. P.O.Box 33, Al-Khod, Muscat 123, OMAN.
E-mail: hadj.boudoucen@ieee.org

(3) Dr Mohamed DALI ALI, Associate Professor, DGEE, Universite de Boumerdes,
Boumerdes, 35000, Algeria. E-mail: m_dali_ali@hotmail.com