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Personal details

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Date of birth 01/6/1961
Nationality Libyan

Education and qualificatios

1994-1998 Newcastle University, Newcastle upon Tyne, UK.
PhD in electronic engineering
Thesis title: evaluation of gallium arsenide schottky gate bipolar transistor for higher power switching application

1992-1994: Newcastle University, UK.
MSc in electronic engineering
Modules included: microelectronics, semiconductor devices, VLSI, auto cad, signal processing, image processing, information theory.

1980-1985 Benghazi university, Benghazi, Libya
BSc in electrical and electronic engineering
Modules included: electric circuit, analog electronics, digital electronics, telecommunication, electric power, power distribution, antenna, solid states, microwaves.

Work experiences

1986- 1991 senior engineer, project department, Eni Italian oil company.

1999-2008 assistance professor, department of physics, Sebha university

2008-2015 dean of vocational higher institute, Umelaranib, Libya

2015-present assistance professor, department of renewable energy, faculty of energy, Sebha, Libya

Teaching experience

I taught undergraduate and postgraduate courses. Subjects included: analog and digital electronics, microelectronics (MSc), power electronics, semiconductor physics (MSc), Solid state devices, Solar cell physics, signal processing, microprocessor, engineering mathematics.

Adminstration

For the time being, I am the head of postgraduate office in the faculty of energy and mining engineering, Sebha university. In the period (2008-2015), I was borrowed staff to vocational higher institute. I worked as the dean of this institute, which is three year full-time study after secondary school. It is award high diploma in electrical and computing technology.

Training

I attended (four months) training course for management at Cleveland collage, Redcar, UK,(1991), and (two weeks) training course for leadership, Tripoli (2013).

Computer skill

I have knowledge in Microsoft programs_ and Tcad semiconductor simulators such as slivaco, synopsys, cadence softweres.

Professional membership

I am a member of IEEE

Research interests

I do research in semiconductor technology and renewable energy . I am thesis" s supervisor of two MSc students in physics department. One of the thesis about gallium arsenide solar cell.

Publications

- N. G Wright, O'Neill, Mohamad Hossin" vertical GaAs MESFET for smart power application, IEE colloquium on power semiconductor devices", Digest No:24, 1994.
- N. G Wright, O'Neill, Mohamad Hossin"800V GaAs MESFET for power switching application", Proc. IEEE international symposium on power semiconductor devices, ISPSD 1995.
- Mohamad Hossin, C M Johnson, O'Neill, "GaAs schottky gate bipolar transistor for high switching application", ESSDERC97, 1997.
- Mohamad Hossin, C M Johnson, O'Neill, "Evaluation of GaAs schottky gate bipolar transistor by electro thermal simulation ",solid state electronics,44(2000), UK,2000.
- Mohamad Hossin, O'Neill, "Effect of carrier lifetimes on anode current of GaAs schottky gate bipolar transistor ",Journal of Sebha university, Libya, Vol.1, No. 2,2002.
- *Mohamd Hossin, "study of channel surface charge of GaAs MESFET-bipolar transistor", journal of Sebha university, Libya, Vol. 4,No 1, 2005.*