

CURRICULUM VITAE

PERSONAL INFORMATION

Sabuhi Ganiyev



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LinkedIn : Sabuhi Ganiyev

Gender Male | Birth date 05/06/1986 | Nationality Azerbaijani

CAREER GOALS

To develop and become a high-level specialist in electronics.

WORK EXPERIENCE

Feb 2017-Present



Dean's assistant, School of Engineering and Applied Sciences

Khazar University

Main Responsibilities:

- Perform general administrative assistant duties to include answering telephone, greeting and directing office visitors appropriately, sort and distribute mail.
- Conduct short research projects requiring collection and reporting of data.
- Maintain strong communication between Dean, faculty, staff, and students.
- Prepare documents as necessary.
- Maintain both physical and digital copies of common and course syllabi.
- Maintain both physical and digital office filing systems.
- Maintain web site of the university.
- Assist the Dean with the management of academic departments.
- Support the Dean in other related duties as required.

Sep 2016-Present



Lecturer

Khazar University

Subjects:

- Electrical Engineering
- Electronic Systems and Technology
- Digital Logic
- Microprocessor-based Systems

Main Responsibilities:

- To give a lecture on related topics.
- To give a seminar about related topics.
- To demonstrate the use of practical equipments, conduct experiments and answer questions related to those demonstrations.
- To assist/give guidance, where required, to students who are carrying out practical exercises etc.
- Grading quizzes and exam papers.

June 2013-May 2015



Research assistant

IIUM

Main Responsibilities:

- Responsible for literature review related papers on radiation hard Schottky diodes and identifying their main properties.
- Fabrication of 4H-SiC Schottky diodes.
- Analyzing and purchasing commercial 4H-SiC Schottky diodes for experiment.
- Conduction room temperature I-V (current–voltage) measurements and temperature dependence I-V measurements using Keithley Interactive Testing Module.
- Irradiation of the 4H-SiC Schottky diodes with Electron Beam Radiation.
- Simulation the effects of electron radiation on the electrical characteristics of 4H-SiC Schottky diodes.
- Analyzing the effects of electron radiation on the electrical characteristics of 4H-SiC Schottky diodes.
- Making report.

Feb 2014-Jun 2014



Lab demonstrator

IIUM

Main Responsibilities:

- To give a talk about related topics.
- To demonstrate the use of practical equipment, conduct experiments and answer questions related to those demonstrations.
- To assist/give guidance, where required, to students who are carrying out practical exercises etc.
- Grading lab reports.

Jan 2010-Oct 2011



Technician

National Aviation Academy Scientific Research Institute of Transport and Aviacosmic Problems

Main Responsibilities:

- Development new technics and technologies.
- Testing developed systems.

EDUCATION

2012-2015



Master of Science (Electronics Engineering)

IIUM (Kuala Lumpur, Malaysia)

Taken Courses:

- *Analog circuit design*
- *Special topics in electronics*
- *Optical fiber communication*
- *Circuits, signals & filters*
- *Semiconductor devices*
- *Biomedical electronics & systems*
- *Value, technology & society*
- *Research methodology in electrical computer engineering*

Dissertation topic:

“Electrical Characterization of 4H Silicon Carbide Schottky Diodes Under Electron Radiation”

Grade: Very Good

2004-2009



Bachelor of Radio engineering

National Aviation Academy (Baku, Azerbaijan)

- Honors Diploma

TRAININGS & COURSES

- IIUM, MATLAB workshop
- IIUM, VHDL workshope
- NT-MDT Molecular Devices and Tools for Nano Technology, Trainings in operating "Solver Next" and "Solver FD" scanning probe microscopes
- GRBS, Master class certificate in "Leadership"

LANGUAGE SKILLS

Azeri (native), English (fluent), Russian (very good), Turkish (fluent), Arabic (good)

COMPUTER SKILLS

Microsoft Office: MS Word (advanced), MS Excel (intermediate), Power Point (advanced), Outlook (Intermediate); PSPICE, NI Multisim, Verilog, VHDL, Assembly, SILVACO, SigmaPlot, MatLab, SPSS.

INTERESTS



Travelling, reading books, hiking, camping, playing football

PUBLICATIONS



1. Sabuhi Ganiyev, M. Azim Khairi, D. Ahmad Fauzi, Yusof Abdullah and Nurul Fadzlin Hasbullah, "The Effects of Electron Irradiation and Thermal Dependence Measurements on 4H-SiC Schottky Diode", Semiconductors Springer (in the process of publishing).
2. Sabuhi Ganiyev, Norasmahan Muridan, Nurul Fadzlin Hasbullah, and Yusof Abdullah. "Electrical simulation of Ni/4H-SiC Schottky diodes before and after low energy electron radiation." In Micro and Nanoelectronics (RSM), 2015 IEEE Regional Symposium on, pp. 1-4. IEEE, 2015.
3. "Simulation of electrical characteristics of Au/4H-SiC Schottky diode in radiation environment", Poster published, Kulliyah of Engineering Research and Innovation Exhibition, KERIE (2014)
4. Sabuhi Ganiyev, Islam Iskandarov. (2008). "Device for meteorological visibility distance measurements", Transport development problems in Azerbaijan, 10th scientific-technical conference of students (pp.8). Baku: Civil Aviation.
5. Sabuhi Ganiyev, Islam Iskandarov. "Application of laser systems in civil aviation", Transport development problems in Azerbaijan, 9th scientific-technical conference of students, 2007 (pp. 17-18). Baku: Civil Aviation.

REFERENCES



Dr. Nurul Fadzlin Hasbullah – Associate Professor, IIUM

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