

MUNIRAH BINTI MUSA

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EDUCATION

2011 – 2015 – B.Eng (Hons) in Electronics (CGPA 3.03), Universiti Sains Malaysia (USM)

2010 – 2011 – Matriculation (Physical Science) (CGPA 3.83), Kolej Matrikulasi Perak, KMPk

2008 – 2009 – SPM (5A's, 3B's & 2C's), SMK Seri Iskandar

WORKING EXPERIENCES

August 2015 – Present

- Graduate Trainee at Altera (now part of Intel) as Layout Design Engineer (R&D Department)
 - Involved in 14nm process technology
 - Involved in physical verification activities (DRC, LVS, DFM)
 - Experienced with Linux, Microsoft Windows and web based tools
 - Hands-on experience with the industry standard tools (Cadence Virtuoso, IC Compiler)

June – Sept 2014 (3 months)

- Internship at Makhostia Sdn.Bhd UTP Plant, Teronoh, Perak, Practical Trainee
 - Involved in Health, Safety and Environment (HSE), Operation and Maintenance Departments
 - Involved in calibration activities

July – Sept 2013 (3 months)

- Research Assistant at USM
 - Presenting results to research staff
 - Prepared tables, graphs and written reports summarizing research results
 - Conduct research using a variety of sources including the internet, journals and publications or other relevant literature

PROJECTS & SKILLS INVOLVED

FINAL YEAR PROJECT – 28 GHZ ANTENNA FOR 5G WIRELESS SYSTEM

In this project, a dielectric array antenna of 28GHz is to be designed. The aim of this project is to design a good candidate for the 5G communication applications. By carrying out this project, it provides an opportunity to have a better understanding of the various factors involved in the design of

antenna. The proposed design is simulated by using CST Microwave Studio Simulation Software. The simulation result is then compared with the performance of the antenna. This comparison allows the investigation of the parameters that affects the performance of the dielectric antenna such as gain, impedance bandwidth, radiation patterns, efficiency and FTB ratio to be carried out and suitable changes and improvements can be made in this design to avoid any problems later.

SPECIAL SKILLS

Personal Strengths: Fast learner, strong communication skills, problem solving skills, leadership

Speaking Proficiency: Bahasa Malaysia (Excellent), English (Intermediate), Mandarin (Basic)

Writing Proficiency: Bahasa Malaysia (Excellent), English (Intermediate)

Software: Microsoft Office Applications, CST Microwave Studio, Cadence Virtuoso, Red Hat Linux, IC Compiler, National Instruments Multisim, Agilent Technologies' ADS, OrCAD Release 9.2 PSpice,

Hardware: 8051 microcontroller

AWARDS AND ACHIEVEMENTS

EXTRA-CURRICULAR ACTIVITIES

2014 – Actively involved with An Arduino Microcontroller Workshop 2014

2014 – Successfully organized Student Orientation Week 2013/2014

2013 – Executive Committee of Public Relations, Students' Society of Electrical & Electronic Engineering USM

2013 – Executive Committee of Activities, Netball Club USM

2013 – First placing in Netball Competition (University level)

2012 – Facilitator for "OneEE" organized by Students' Society of Electrical & Electronic Engineering USM

REFERENCES

1. Prof. Dr. Mohd Fadzil bin Ain

Program Chairman (Electronic Engineering)

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2. En Khairul Anuar Baharom

Layout Design Manager

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