

## Short Resume

### *Jahangir Alam*

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EDUCATIONAL QUALIFICATIONS: M.Sc(Bangladesh), Post Graduate Diploma (Electronics, England), M.Engg. - Howard University, Washington DC

Hoping to complete doctoral program in Electrical Engineering, Electrical Engineering Department, Morgan State University, Baltimore, Maryland, very shortly.

#### **WORKHISTORY & EXPERIENCES:**

A total of 8 years of research experience as (i)Teaching Assistant, and (ii)Research Assistant, Materials Science Research Center of Excellence, Electrical Engineering Department, Howard University, Washington DC. and (iii) Research Assistant, Electrical Engg. Deptt. Morgan State University. Have performed experiments at Army Research Lab(ARL), Naval Research Lab(NRL) and NIST.

#### **Research Publications in Refereed Journals:**

1. Doping induced surface chemistry dictating the characteristics of Schottky contacts to III-V nitride semiconductors. The Journal of Chemical Physics 125, 044718, American Institute of Physics, 2006.
2. Optical properties of GaAs<sub>1-x</sub>N<sub>x</sub> alloys grown by molecular beam epitaxy, Philosophical Magazine, vol.86, Number 23/11, August, 2006.
3. Effect of dislocations on luminescence properties of silicon-doped GaN grown by metalorganic chemical vapor deposition method, Journal of vacuum Science & Technology B: Microelectronics and Nanometer Structures, vol.22, Issue 2, March, 2004.
4. Use of high temperature hydrogen annealing to remove sub-surface damage in bulk GaN, Journal of Crystal Growth 246, 2002