



**Dr Abdussalam E Mansur**  
**Senior Lecturer**

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*Date of Appointment: September 1987 Date of Birth: January 1962*

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**Research Interests**

I have been involved in electronic structure and optical spectra of perfect and imperfect semiconductors heterostructures consisting of group IV and III-VI semiconductors. My main interest is concerned with the theoretical modelling of the properties of materials, primarily using an Empirical Pseudopotential Method (EP). Such structures have recently been proposed as likely candidates for technological applications, and have been the subject of several theoretical studies.

**Qualifications**

- PhD " Electronic Structure of Complex Quantum Well Heterostructures" University of Newcastle, Newcastle upon Tyne, 2007  
MPhil " Electronic Structure and Optical Properties Of Si-Ge Superlattice" University of Newcastle, Newcastle upon Tyne, 1997

**Current Work**

Although I am principally involved in undergraduate teaching, I am simultaneously doing research in some materials: silicon, germanium, and III-V compound semiconductors.

**Undergraduate Teaching**

*I have taught the following courses over the last few years:*

*PH 101: General physics*

*PH 301: Mechanics*

*PH 302: Electricity and Magnetism*

*PH 701 PH 801: Quantum Mechanics*

*PH 803: Solid State Physics*