CURRICULUM VITAE

Personal details:

Name: Mohammad Abdulaziz Alduraibi

Nationality: Saudi

Academic position: Assistant professor

Current address:

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Qualifications:

- B.Sc. in physics, in 2000, from King Saud University, Riyadh, Saudi Arabia (excellent grade with second class honor).

- MSc in Nanoscale Science and Technology, with merit in 2006 from the University of Leeds, UK.

- PhD in the field of microelectronics and nanostructured semiconductor materials, in 2010 from the University of Manchester, UK.

Skills:

- Familiar with thin film deposition techniques such as molecular beam epitaxy (MBE), pulsed laser deposition (PLD) and other deposition techniques.

- Expert in various structural, optical and electrical characterization techniques, i.e., atomic force microscope, scanning electron microscope, transmission electron microscope, double crystal-XRD, photoluminescence, absorption and transmission setups.

- Fabrication of semiconductor devices in clean environment (cleanrooms) which involves the use of lithography techniques, dry and wet etching and other processing equipments.

- Nanoscale patterning using Focused Ion Beam system.

Work experience:

- (2010-present) assistant professor.

- (2004-2010) postgraduate student sponsored by KSU.

- (2001-2004) teacher assistant in the physics department-KSU.

Training and workshops:

- General Physics for Secondary School Physics Teachers at King Fahd University of Petroleum & Minerals, Dhahran, 2001.

- Academic skills, Leeds University, Leeds, UK, 2005.

- Graduate Teaching Assistant training, Manchester, UK 2009.

- Teaching in higher education workshop, Manchester, UK, 2008.
- Terahertz Systems and Industrial Applications, Royal Society, London, UK, 2009.
- Understanding financial statements 2009.
- Patent searching, Manchester, UK, 2009
- What is terahertz and what can it do for you? At the National Physical Laboratory, London, UK, 2009.

Publications:

- M. Alduraibi, M. Missous, P. Luke Sam, A. Tierno, S. Keatings and T.Ackemann. Optical and electrical properties of stacked binary InAs-GaAs quantum dot structures prepared under Surfactant-mediated growth conditions, J. Phys.: Conf. Ser. 245 (2010) 12072.
- M. Alduraibi, C. Mitchell, S. Chakraborty and M. Missous, Surfactant-mediated growth of InAs–GaAs superlattices and quantum dot structures grown at different temperatures, Microelectronics Journal 40 (2009) 476.
- M. Alduraibi, C. Mitchell, S. Chakraborty and M. Missous, Interaction of low-temperature surfactant-grown InAs superlattice layers with arsenic precipitates, Microelectronics Journal 40 (2009) 550.
- J. Bell, T. Schlegel, M. Alduraibi, M. A. Khan, T. P. Comyn, and J. Rodel, "Impedance Spectroscopy of Mn Doped $BiFeO_3PbTiO_3$ Ceramics", In (ISAF 06) International Symposium on Applications of Ferroelectrics, Proceedings, North Carolina, USA, 2006, pp 128-131.