**CV**

**Name:** Abeer Furaihan Alshammari

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**Education:**

**2010-2015** Doctor of Philosophy (PhD) in physics, Nano-electronics

Bath university, UK

**Thesis title** : A biosensing platform based on graphene and supramolecular protein complexes.

**2004-2008** Master of Science (Msc) in physics, solid state physics

King Saud university,KSA.

**Thesis title:** Effect of sintering aids (AST) on the microstructure and the electrical properties of n – type BaTiO3 semiconductors.

**1998-2002** Bachelor of Science (BSc) in physics.

King Saud university.

**Teaching/Administrative experience**

**2017**  :Vice head department –Physics department

**2015- Present** :Assistant professor

**2005-2015** : Assistant –physics department, King Saud University

**Committee and activities**

* PG and Scientific research committee.
* Alumni and human resources committee.
* E-learning committee.
* Lab teaching and equipment committee.
* Strategic plan committee.

**Research interests**

My current research focused on graphene and graphene-based materials synthesis and characterization.

**List of presentations and publications**

**Enhancement of external quantum efficiency and quality of heterojunction white LEDs by varying the size of ZnO nanorods**

N Bano , I Hussain, S Sawaf, Abeer Alshammari and F Saleemi

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[Nanotechnology](http://iopscience.iop.org/journal/0957-4484), [Volume 28](http://iopscience.iop.org/volume/0957-4484/28), [Number 24](http://iopscience.iop.org/issue/0957-4484/28/24)

**“A versatile sensing platform based on a supramolecular multi-enzyme complex directly attached to graphene”**,

Abeer Alshammari, Mareike G. Posner, Abhishek Upadhyay, Frank Marken, Stefan Bagby, and Adelina Ilie. ACS Appl. Mater. Interfaces, 2016, 8 (32), pp 21077–21088

**Trends in Nanotechnology 2012**, September 2012, Madrid (Spain)-

*"Non-Covalent Biofunctionalization of Graphene with Cage-like Multi-Enzyme Complexes for Sensing"*,

Abeer Al-Shammari, M.G. Posner, A. Upadhyay, F. Marken, S. Bagby, and A. Ilie

**Great Western Electrochemistry Meeting**, 18 June 2012, University of Bath-

*“Immobilization and activity retention of supramolecular protein complexes on graphene sensing platforms”*,

A. Alshammari, M. Posner, A. Upadhyay, F. Marken, S. Bagby, and A. Ilie

**Electrochemical Horizons 2011**, September 2011, Bath

*“Immobilization of E2 protein and its supramolecular complexes, and activity retention on graphene”*,

A. Al-Shammari, M. Posner, G.J. Jones, A. Upadhyay, S. Bagby, P. Estrela, and A. Ilie

**IOP 2011 – Graphene and other 2D systems**, 1-2 June 2011, London -

*“Immobilization and activity retention of supramolecular protein complexes on graphene sensing platforms”,*

A. Al-Shammari, M. Posner, G.J. Jones, A. Upadhyay, S. Bagby, P. Estrela, and A. Ilie

**ImagineNANO + Graphene 2011** combined conference 11-14 April, 2011, Bilbao,Spain-

*“Immobilization of E2 protein and its supramolecular complexes, and activity retention on graphene”*,

A. Al-Shammari, M. Posner, G. Jones, A. Upadhyay, S. Bagby, P. Estrela, and A. Ilie