

Curriculum Vitae
Khalid Eidah Alzahrani, Ph.D
Assistant Professor
Dept. of Physics & Astronomy
College of Science
King Saud University
alzkhalid@ksu.edu.sa

Education

I received my first degree in physics from King Saud University. I obtained my PhD degree from School of Physics and Astronomy, Leeds university, UK.

Title of the Ph.D. thesis: Optomechanical damping of a microcantilever force sensor in liquid

Professional experience

- **Assistant Professor**

Department of physics and Astronomy, Science College,,King Saud University, Riyadh , KSA, 2011

- **Demonstrator**

Department of physics and astronomy

University of Leeds, Leeds, UK,-----2008-2010

Researching experiences

- I've worked with department of physics (Leeds university Uk), Osaka university(Tokyo, Japan) and Veeco company to improve atomic force microscopes
- Single molecule experiments
- AFM applications

- Dealing with IqroPro and Labview softwares

Publications

1-ALSALHI M. S , AL-Zahrani K. and MASILAMANI, V " photophysical properties of photofrin II in Solution of Different pH " J. Saudi chem Soc. Vol.8, No. 3, pp 559-564(2004)

2- AL-Zahrani K , MASILAMANI. V , ALSalhi M. S , ALDIAB and , ALAQEILY M. " Cancer Diagnosis by Autofluorescence of Blood Components "Journal of luminescence 109(2004) 143-154

3- Neal Crampton, Khalid Alzahrani, Godfrey S Beddard, Simon D Connell, David J Brockwell, " Mechanically Unfolding Protein L Using a Laser-Feedback Controlled Cantilever", Biophys J, 100(2011),1800-1809.

4- Khalid AlZahrani, Simon D Connell and Alastair Smith, "Thermal noise reduction in a microcantilever force sensor using an active feedback system", to be submitted.

5- Khalid AlZahrani, Simon Connell and David J Brockwell," Mechanically unfolding I27 using CD-AFM" , to be submitted to Rev.Sci.Instrum J.

6- Khalid AlZahrani and Simon Connell, "Development and application of a force sensor with subpiconewton resolution", Leeds symposium, 2009.