

Faculty Name: Dr. Majdi Alnowami	
Education:	<ul style="list-style-type: none"> ➤ University Surrey Doctor of Philosophy (PhD), medical imaging and physics, 2009 - 2012 ➤ University Surrey Master's degree, Medical Physics, 2007 - 2008 Grade: Merit ➤ KAAU (King Abdulaziz University) Postgraduate study, Electronics Engineering, 2003-2006 Grade: 4.63/5.00 ➤ KAAU (King Abdulaziz University) Bachelor of Science (BS), Electrical, Electronics and Communications Engineering, 1998 – 2002, Grade: 4.61/5.00
Academic experience:	<ul style="list-style-type: none"> ➤ Assistant professor at King AbdulAziz University, September 2012 – Present ➤ Teacher assistant at King Abdul Aziz university, June 2006 – September 2012
Current membership in professional organizations	<ul style="list-style-type: none"> ➤ Health Physics Society
Honors and awards	<ul style="list-style-type: none"> ➤
Service Activities	<ul style="list-style-type: none"> ➤ Head of Recruitment Committee, Engineering Faculty, KAU ➤ NE Department ABET Champion ➤ Member of several department committee
Publications & presentations from the past five years	<ol style="list-style-type: none"> 1. An observation model for motion correction in nuclear medicine, Society of Photo-Optical Instrumentation Engineers (SPIE) 2009, Authors: Majdi Alnowami, E Lewis, M Guy, K Wells 2. A flexible approach to motion correction in nuclear medicine, Nuclear, Science Symposium Conference Record (NSS/MIC) 2009, Authors: Majdi Alnowami, K. Wells, B. Goswami, A.A. Rahni, J. Jones, 3. An observation model for motion correction in nuclear medicine, SPIE Medical Imaging 2010; Authors: Majdi Alnowami, E Lewis, Guy, Wells 4. Inter and Intra Subject Variation of Abdominal vs. Thoracic Respiratory , Motion Using Kernel Density Estimation, IEEE Medical Imaging Conf. 2010, Authors: Majdi Alnowami, E. Lewis, M. Guy, K. Wells 5. Respiratory motion modelling and prediction using probability density estimation, Nuclear Science Symposium Conference Record (NSS/MIC) 2010, Authors: Majdi Alnowami, E. Lewis, K. Wells, M. Guy 6. Marker-less tracking for respiratory motion correction in nuclear medicine, Nuclear Science Symposium Conference Record (NSS/MIC) 2010,

Authors: Majdi Alnowami, E. Lewis, M. Guy, K. Wells.

7. Internal motion prediction using kernel density estimation and general canonical , correlation model, Nuclear Science Symposium and Medical Imaging Conference , (NSS/MIC) 2010; Authors: Majdi Alnowami, Lewis, Well
8. A quantitative assessment of using the Kinect for Xbox 360 for respiratory surface , motion tracking SPIE 2011; Authors: Majdi Alnowami, Tahavori, Copland, Wells
9. Improving MVBCT image quality using a Cu target with flattening filter-free , LINAC, Life Science Journal, November 20, 2013; Authors: Majdi Alnowami, F. A Abolaban, M A Najem, Ahmad Hussain, Majdi Alnowaimi, David Bradley
10. Marker-less Respiratory Motion Modeling Using the Microsoft Kinect for Windows, SPIE Medical Imaging, January 16, 2014; Authors: Majdi Alnowami, F. Tahavori, and K. Wells

**Professional
development
activities**

- The Basic of Project Management PMA-E
 - Lifesaver , St. Johan Ambulance
 - Internal Quality Auditing , FAHSS / TUV
 - Iso 9001 Awareness , FAHSS / TUV
 - Ms Project Module I and II , ACP Learning Center
 - Seminar for Project managers PRL-E
 - Learning to leads
 - Spot light in nuclear medicine in clinical practice
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