

## DR. KHALID H. ALMITANI

Assistant Professor, Department of Mechanical Engineering, King Abdulaziz University

### Education

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	University of Maryland, College Park, USA	2009
MS	Mechanical Engineering	University of Maryland, College Park, USA	2008
BS	Mechanical Engineering	King Abdulaziz University, Jeddah, Saudi Arabia	1998

### Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i> <i>(Chair, Full or</i> <i>Coordinator, etc.)</i>	<i>Part Time</i> <i>Full Time</i>
2009	Present	King Abdulaziz Univ.	Assist Prof.	Faculty	Full Time

### Funded Research Projects and Patents from the Past Five Years

1. HiCi Research Initiative Funded Project, Gradient Material Mechanics (GMM) Across Scales: New Directions and Areas of Interdisciplinary Research Activity with Applications to Advanced Technologies, 2012, *Running*

### Honours and Awards

1. Sheikh Ismail Bin Dawood Prize for Academic Excellence, 1999

### Institutional and Professional Services

1. Member of Faculty of Engineering Curriculum Committee

### Principal Publications/Presentations from the Past Five Years

1. A K.Y. Xu, K.A. Alnefaie, N.H. Abu-Hamdeh, K.H. Almitani, and E.C. Aifantis. 2012. Dynamic Analysis of a Gradient Elastic Polymeric Fiber. *Acta Mechanica Solida Sinica*: Accepted for Publication.
2. K.Y. Xu, K.A. Alnefaie, N.H. Abu-Hamdeh, K.H. Almitani, and E.C. Aifantis. 2012. Free Transverse Vibrations of a Double-Walled Carbon Nanotube: Gradient and Internal Inertia Effects. Submitted for Publication.
3. K. Al-Mitani, A. Baz, "Topology optimization of a plate coupled with acoustic cavity," *International Journal of Solids and Structures*, Vol. 46, No. 10, pp. 2060-2074, 2009.