

## DR. SAEED AHMED ASIRI

Assistant Professor, Mechanical Engineering Department, King Abdulaziz University

### Education

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	University of Maryland, College Park, USA	2003
MS	Mechanical Engineering	University of Maryland, College Park, USA	2002
BS	Mechanical Engineering	King Abdulaziz University, Jeddah, Saudi Arabia	1995

### Academic Experience

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i> (Chair, Full or Coordinator, etc.)	<i>Part Time</i> or Full time
1997	2003		R.A.	Assistant Res.	Full time
2003	Now		AP	Assistant Prof.	Full time

### Non Academic Industrial Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position</i> (Brief)	<i>Description</i>	<i>Full</i> or <i>Part Time</i>
2010	Now	SKILLS for Develop. and Conslt.	Director	Director		Part time

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

1. Asiri, Saeed, "Differential Agitator", KACST patent, No. 06270232, (2010).

### Honors and Awards:

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| 2011 | A reward for the KACST Patent titled "Differential Agitator"   |
| 2011 | A reward from Sultan Qaboos University, Oman for the best published research paper   |
| 2005 | A reward for the best course website competition from King Abdulaziz University in 2005.   |
| 2003 | Early Graduation Prize from Saudi Cultural Mission in the USA for Ph.D. Degree   |
| 2003 | High GPA Prize from Saudi Cultural Mission in the USA for M.S. and Ph.D. Degrees   |
| 2003 | Prince Bandar Bin Sultan prize for high ranks (with GPA of 4/4 in the M.Sc. and Ph.D. Degrees from <a href="#">University of Maryland at College Park</a> , one of the best schools in the USA). |
| 1988 | Prince Faisal bin Bander prize for 1 <sup>st</sup> rank in the Southern Area of the Kingdom of Saudi Arabia.   |

### Institutional and Professional Services (*administration, committees, units, etc.*)

1. Director of IT committee at mechanical engineering department

2. Director of Diploma Unit of the Deanship Community Services and Continuing Education
3. Director of Information Technology Unit of the Deanship Community Services and Continuing Education
4. Preparing and Presenting short courses on communication skills during Summer 2005 at King Abdulaziz University
5. A workshop on Machines Vibrations and Fault Diagnosis
6. Member of Graduate studies Committee in the Engineering College
7. Director, MENG graduate Office, Engineering College
8. Design, building and maintaining the website of Engineering College:
9. Design, building and maintaining the website of Journal of King Abdulaziz University:
10. Design, building and maintaining the website of Department of Production and Mechanical Systems Design:
11. Design, building and maintaining the first Arabic website of the Theory of Inventive Problem Solving TIPS/TRIZ  
<http://www.triz.ws>

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

- S. Asiri, H. S. Hedia, W. Essa, " Vibration Attenuation Using Functionally Graded Material", *World Academy of Science, Engineering and Technology*, V78(1), pp693-702, (2013)
- S. Asiri, Y. Alzahrani, "Theoretical Analysis of Mechanical Vibration for Offshore Platform Structures", *World Journal of Mechanics*, , V4(1), pp1-11, (2014)
- Z. Liu, J. Moore, S. Aldousari, H. Hedia, S. Asiri, W. Liu, "A Statistical Descriptor Bases Micromechanics Model of Heterogeneous Material", *Computational Mechanics* (IF: 2.43), (2014).
- S. Asiri and H. Diken, "DYNAMIC MODELING AND VIBRATION ANALYSIS OF A BALL-SCREW DRIVE SYSTEM, *International Journal of Advance Research In Science And Engineering, IJARSE*, Vol. No.4, Issue 05, 2015.
- Y. Li, , Y. Lian, L. Zhang, S. Aldousar, S. Asiri, "Cell and nanoparticle transport in tumour microvasculature: the role of size, shape and surface functionality of nanoparticles." *Interface focus*, 6.1, 2016
- S. Asiri, H. Hedia, N. Fouda. "Improving the performance of cementless knee prosthesis coating through functionally graded material." *Materials Testing*, 58, pp939-945. 2016.
- S. Asiri, "MODAL AND VIBRATION ANALYSIS OF FUNCTIONALLY GRADED DENTAL IMPLANT", *Yanbu Journal of Engineering and Science (YJES)*, Volume 12, 2016.
- Y. Li, Z. Liu, J. Zheng, J. Zhi, W. Lui, S. Aldousar, S. Asiri, "Modular-based multiscale modeling on viscoelasticity of polymer nanocomposites." *Computational Mechanics*, pp1-15, 2016.
- S. Asiri, " Vibration Attenuation Using Functionally Graded Materia ", *World Academy of Science, Engineering and Technology*, Toronto, Canada on 2013 July 19-23